

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location	MECT	MECT	MECT	MECT	MECT
				Sample ID	MECT-081015-10	MECT-081115-10	MECT-081215-10	MECT-081315-10	MECT-081415-10
				Date	8/10/2015	8/11/2015	8/12/2015	8/13/2015	8/14/2015
				Sample Time	14:15	13:45	13:45	13:25	13:00
				Latitude	37.21846	37.21846	37.21846	37.21846	37.21846
				Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081
Analyte	CAS.NO	Units	RBC						
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	3100	1200	1200 B	6600	9400
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.12 UJ	< 0.11 UJ	< 0.11 UJ	< 0.016 UR	< 0.37 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	2.2 J	1.1	1.1	2.5	3.3
Barium, Total	7440-39-3	mg/Kg	670000	--	240	140	97 J	280	200 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.23 J	0.078	0.092	0.52	0.46
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.1	0.025 J	0.027 J	0.083 J	< 0.34 U
Calcium, Total	7440-70-2	mg/Kg		--	19000	11000 B	10000	12000	34000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	2.7	0.9 J	< 0.13 U	6.5	6.2
Cobalt, Total	7440-48-4	mg/Kg	1000	--	1.8 J	0.64	0.75	4.1	3.2
Copper, Total	7440-50-8	mg/Kg	130000	--	3.2 J	1.4 J+	1.4 J	7.5	7
Iron, Total	7439-89-6	mg/Kg	2300000	--	5500	2300	2600	8700	10000
Lead, Total	7439-92-1	mg/Kg	20000	--	4.3 J	1.9	2.1 J	7.4	7.2
Magnesium, Total	7439-95-4	mg/Kg		--	2700	830 J-	780	3300	5700
Manganese, Total	7439-96-5	mg/Kg	160000	--	200 J-	150	140 J-	260	320 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0092 U	< 0.0085 U	< 0.0086 U	< 0.0084 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.32 J	0.12 J	0.14 J	0.23	0.78 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	3.7	1 J	1 J	6.4	6.9
Potassium, Total	7440-09-7	mg/Kg		--	950	380	420	1300	
Potassium, Total	9/7/7440	mg/Kg		--					2500 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.18 J	< 0.11 U	< 0.11 U	< 0.15 U	0.45 J
Silver, Total	7440-22-4	mg/Kg		--	0.014 J	< 0.011 U	< 0.011 U	0.028 J	
Sodium, Total	7440-23-5	mg/Kg		--	100 J	51 J	< 55 U	310 J	210
Thallium, Total	7440-28-0	mg/Kg	33	--	0.067 J	< 0.053 U	< 0.057 U	0.11 J	< 0.34 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	8.2 J-	3.7 J-	4	14	16
Zinc, Total	7440-66-6	mg/Kg	1000000	--	15 J-	4.6 J-	4.7 J	30	28

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the RBC

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

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Upper Animas River

				Location	MECT	MECT	MECT	MECT	MECT
				Sample ID	MECT-081115-10	MECT-081215-10	MECT-081315-10	MECT-081415-10	MECT-081515-10
				Date	8/11/2015	8/12/2015	8/13/2015	8/14/2015	8/15/2015
				Sample Time	13:45	13:45	13:25	13:00	16:35
				Latitude	37.21846	37.21846	37.21846	37.21846	37.21846
				Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081
Analyte	CAS.NO	Units	RBC						
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	1200	1200 B	6600	9400	4800
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.11 UJ	< 0.11 UJ	< 0.016 UR	< 0.37 U	< 0.33 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	1.1	1.1	2.5	3.3	2.7
Barium, Total	7440-39-3	mg/Kg	670000	--	140	97 J	280	200 J+	250 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.078	0.092	0.52	0.46	0.25 J
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.025 J	0.027 J	0.083 J	< 0.34 U	< 0.31 U
Calcium, Total	7440-70-2	mg/Kg		--	11000 B	10000	12000	34000	20000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	0.9 J	< 0.13 U	6.5	6.2	2.2
Cobalt, Total	7440-48-4	mg/Kg	1000	--	0.64	0.75	4.1	3.2	2.4
Copper, Total	7440-50-8	mg/Kg	130000	--	1.4 J+	1.4 J	7.5	7	3.6
Iron, Total	7439-89-6	mg/Kg	2300000	--	2300	2600	8700	10000	9600 B
Lead, Total	7439-92-1	mg/Kg	20000	--	1.9	2.1 J	7.4	7.2	4.1
Magnesium, Total	7439-95-4	mg/Kg		--	830 J-	780	3300	5700	2500
Manganese, Total	7439-96-5	mg/Kg	160000	--	150	140 J-	260	320 B	390 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0085 U	< 0.0086 U	< 0.0084 U	< 0.016 U	< 0.014 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.12 J	0.14 J	0.23	0.78 J	< 0.61 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	1 J	1 J	6.4	6.9	3.3
Potassium, Total	7440-09-7	mg/Kg		--	380	420	1300		
Potassium, Total	9/7/7440	mg/Kg		--				2500 J+	990 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	< 0.11 U	< 0.11 U	< 0.15 U	0.45 J	< 0.25 U
Silver, Total	7440-22-4	mg/Kg		--	< 0.011 U	< 0.011 U	0.028 J		
Sodium, Total	7440-23-5	mg/Kg		--	51 J	< 55 U	310 J	210	110
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.053 U	< 0.057 U	0.11 J	< 0.34 U	< 0.31 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	3.7 J-	4	14	16	9.9
Zinc, Total	7440-66-6	mg/Kg	1000000	--	4.6 J-	4.7 J	30	28	19

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mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location	SJ4C	SJ4C	SJ4C	SJ4C	SJ4C
				Sample ID	SJ4C-081015-10	SJ4C-081115-10	SJ4C-081215-10	SJ4C-081315-10	SJ4C-081415-10
				Date	8/10/2015	8/11/2015	8/12/2015	8/13/2015	8/14/2015
				Sample Time	15:05	9:52	14:35	14:43	12:40
				Latitude	36.99622	36.99622	36.99622	36.99622	36.99622
Analyte	CAS.NO	Units	RBC	Longitude	-109.00468	-109.00468	-109.00468	-109.00468	-109.00468
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	5700	5400	6100 B	7000	12000
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.13 UJ	< 0.12 UJ	< 0.13 UJ	< 0.018 UR	< 0.38 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	3.3	2.7	3.1	2	2.4
Barium, Total	7440-39-3	mg/Kg	670000	--	240	190	160 J	230	290 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.47	0.39	0.41	0.41	0.44
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.077	0.065	0.095	0.065 J	< 0.36 U
Calcium, Total	7440-70-2	mg/Kg		--	10000	11000 B	10000	19000	17000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	6.4	5	4.8 B	6.2	7.6
Cobalt, Total	7440-48-4	mg/Kg	1000	--	4.1	3.4	4.1	3.5	4.1
Copper, Total	7440-50-8	mg/Kg	130000	--	7.6 B	6.4 B	7 J	5.9	7.5
Iron, Total	7439-89-6	mg/Kg	2300000	--	8900	8200	8700	8100	15000
Lead, Total	7439-92-1	mg/Kg	20000	--	7.7	6.3	8.8 J	6.1	7.7
Magnesium, Total	7439-95-4	mg/Kg		--	2900	3000 J-	2500	5000	5000
Manganese, Total	7439-96-5	mg/Kg	160000	--	230	190	250 J-	230	240 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.01 U	< 0.0092 U	< 0.01 U F1	< 0.0082 U	< 0.017 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.41 J	0.42 J	0.42 J	0.19 J	< 0.71 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	6.6	5.7	5.7	6.3	6.6
Potassium, Total	7440-09-7	mg/Kg		--	1200	1200	1200	1700	
Potassium, Total	9/7/7440	mg/Kg		--					2400 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.18 J	0.15 J	0.2 J	< 0.17 U	0.41 J
Silver, Total	7440-22-4	mg/Kg		--	0.033 J	0.021 J	0.024 J	< 0.026 U	
Sodium, Total	7440-23-5	mg/Kg		--	220 J	250	500	370 J	410
Thallium, Total	7440-28-0	mg/Kg	33	--	0.089 J	0.08 J	0.088 J	0.093 J	< 0.36 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	16 J-	12 J-	12	12	18
Zinc, Total	7440-66-6	mg/Kg	1000000	--	27 J-	23 J-	37 J	23	28

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Surfacewater Analytical Data - Region 9
Upper Animas River

				Location	SJ4C	SJBB	SJBB	SJBB	SJBB
				Sample ID	SJ4C-081515-10	SJBB-081015-10	SJBB-081115-10	SJBB-081215-10	SJBB-081315-10
				Date	8/15/2015	8/10/2015	8/11/2015	8/12/2015	8/13/2015
				Sample Time	12:00	12:40	11:40	11:45	10:50
				Latitude	36.99622	37.25737	37.25737	37.25737	37.25737
Analyte	CAS.NO	Units	RBC	Longitude	-109.00468	-109.61859	-109.61859	-109.61859	-109.61859
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	7900	3700	3000	5300 B	4600
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.37 U	< 0.11 U	< 0.11 UJ	< 0.12 UJ	< 0.017 UR
Arsenic, Total	7440-38-2	mg/Kg	4200	--	1.9	2.1 J	2	2.6	1.6
Barium, Total	7440-39-3	mg/Kg	670000	--	180 J+	110	170	190 J	250
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.42	0.27 J	0.22	0.37	0.29
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.34 U	0.058	0.052 J	0.084	0.05 J
Calcium, Total	7440-70-2	mg/Kg		--	20000	9500	8100 B	13000	11000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	7.2	3.1	2.9	4.9 B	3.8
Cobalt, Total	7440-48-4	mg/Kg	1000	--	3.5	2.5 J	2.1	3.5	2.4
Copper, Total	7440-50-8	mg/Kg	130000	--	5.8	4.9 J	4 B	6.1 J	3.9
Iron, Total	7439-89-6	mg/Kg	2300000	--	8100 B	5400	5000	7800	6100
Lead, Total	7439-92-1	mg/Kg	20000	--	6	5.9 J	4.8	6.8 J	4.8
Magnesium, Total	7439-95-4	mg/Kg		--	5600	1600	1400 J-	2900	2400
Manganese, Total	7439-96-5	mg/Kg	160000	--	250 B	210 J-	160	230 J-	180
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.017 U	< 0.0093 U	< 0.0086 U	< 0.0094 U	< 0.0081 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.68 U	0.27 J	0.25 J	0.34 J	0.13 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	6.8	3.6	3.1	5.1	3.9
Potassium, Total	7440-09-7	mg/Kg		--		860	730	1200	1100
Potassium, Total	9/7/7440	mg/Kg		--	1900 J+				
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.35 J	0.12 J	< 0.11 U	0.16 J	< 0.16 U
Silver, Total	7440-22-4	mg/Kg		--		0.017 J	0.015 J	0.022 J	< 0.025 U
Sodium, Total	7440-23-5	mg/Kg		--	380	200 J	240	260	210 J
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.34 U	0.057 J	< 0.056 U	0.076 J	0.069 J
Vanadium, Total	7440-62-2	mg/Kg	17000	--	14	8.3 J-	8.3 J-	11	8.2
Zinc, Total	7440-66-6	mg/Kg	1000000	--	23	22 J-	18 J-	26 J	19

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Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

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Surfacewater Analytical Data - Region 9
Upper Animas River

				Location	SJBB	SJBB	SJBB	SJCH	SJDS
				Sample ID	SJBB-081415-09	SJBB-081415-10	SJBB-081515-10	SJCH-081415-10	SJDS-081015-10
				Date	8/14/2015	8/14/2015	8/15/2015	8/14/2015	8/10/2015
				Sample Time	11:50	11:50	12:50	6:00	13:25
				Latitude	37.25737	37.25737	37.25737	37.29334	36.89331
Analyte	CAS.NO	Units	RBC	Longitude	-109.61859	-109.61859	-109.61859	-110.39929	-108.87864
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	8400	9400	7100	5900	7100
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.35 U	< 0.35 U	< 0.36 U	0.056 J-	0.14 J
Arsenic, Total	7440-38-2	mg/Kg	4200	--	1.8	2.2	2	1.6	4.1 J
Barium, Total	7440-39-3	mg/Kg	670000	--	220 J+	230 J+	290 J+	160	200
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.35 J	0.49	0.41	0.38	0.51 J
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.32 U	< 0.33 U	< 0.33 U	0.097 J	0.26
Calcium, Total	7440-70-2	mg/Kg		--	12000	11000	11000	24000	22000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	4.9	6.4	6.1	4.9	8.4
Cobalt, Total	7440-48-4	mg/Kg	1000	--	3	4.1	3.4	2.8	4.4 J
Copper, Total	7440-50-8	mg/Kg	130000	--	5.2 J	9.9 J	6.3	5.5	10 J
Iron, Total	7439-89-6	mg/Kg	2300000	--	9700	9600	8500 B	7000	11000
Lead, Total	7439-92-1	mg/Kg	20000	--	5.5	7.4	7.2	5.5	10 J
Magnesium, Total	7439-95-4	mg/Kg		--	2900	2700	3100	4300	6100
Manganese, Total	7439-96-5	mg/Kg	160000	--	210 B	240 B	220 B	210	240 J-
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.016 U	0.018 J	< 0.016 U	< 0.0077 U	0.037
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.65 U	< 0.65 U	< 0.66 U	0.15 J	1 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	4.3	6	5.2	5	9.6
Potassium, Total	7440-09-7	mg/Kg		--				1500	1600
Potassium, Total	9/7/7440	mg/Kg		--	1700 J+	1800 J+	1400 J+		
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.3 J	0.29 J	0.29 J	< 0.14 U	0.61 J
Silver, Total	7440-22-4	mg/Kg		--				0.022 J	0.059 J
Sodium, Total	7440-23-5	mg/Kg		--	340	380	240	310 J	240 J
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.32 U	< 0.33 U	< 0.33 U	0.085 J	0.17
Vanadium, Total	7440-62-2	mg/Kg	17000	--	12	16	16	8.9	20 J-
Zinc, Total	7440-66-6	mg/Kg	1000000	--	22	28	25	21	51 J-

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Analyte	CAS.NO	Units	RBC	Location	SJDS	SJDS	SJDS	SJDS	SJDS
				Sample ID	SJDS-081115-10	SJDS-081215-10	SJDS-081315-09	SJDS-081315-10	SJDS-081415-10
				Date	8/11/2015	8/12/2015	8/13/2015	8/13/2015	8/14/2015
				Sample Time	11:40	11:50	13:30	12:38	10:45
				Latitude	36.89331	36.89331	36.89331	36.89331	36.89331
Longitude	-108.87864	-108.87864	-108.87864	-108.87864	-108.87864				
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	5600	7900 B	10000	9200	17000
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.12 UJ	0.15 J-	< 0.02 UR	0.021 J-	< 0.4 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	3.2	4.4	3.2	4.6	3.3
Barium, Total	7440-39-3	mg/Kg	670000	--	260	210 J	200	210	230 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.43	0.57	0.61	0.66	0.69
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.13	0.25	0.18	0.39	< 0.37 U
Calcium, Total	7440-70-2	mg/Kg		--	5700 B	19000	11000 J	27000 J	15000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	5.8	8.4 B	8.2	11	12
Cobalt, Total	7440-48-4	mg/Kg	1000	--	3.9	5.3	5.3	5	5.8
Copper, Total	7440-50-8	mg/Kg	130000	--	7.6 B	12 J	12	12	12
Iron, Total	7439-89-6	mg/Kg	2300000	--	9000	12000	13000	12000	18000
Lead, Total	7439-92-1	mg/Kg	20000	--	8.9	11 J	10	11	10
Magnesium, Total	7439-95-4	mg/Kg		--	1800 J-	5300	4200 J	7400 J	6400
Manganese, Total	7439-96-5	mg/Kg	160000	--	220	270 J-	270	240	280 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0095 U	< 0.011 U	0.014 J	0.015 J	< 0.017 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.52 J	0.91 J	0.42 J	1 J	0.82 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	5.5	10	8.4	13	9.8
Potassium, Total	7440-09-7	mg/Kg		--	1000	1700	1800	2000	
Potassium, Total	9/7/7440	mg/Kg		--					3000 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.19 J	0.58 J	0.25 J	0.77	0.55 J
Silver, Total	7440-22-4	mg/Kg		--	0.032 J	0.067 J	0.061 J	0.07 J	
Sodium, Total	7440-23-5	mg/Kg		--	310	260 J	390 J	320 J	480
Thallium, Total	7440-28-0	mg/Kg	33	--	0.095 J	0.19	0.16	0.26	< 0.37 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	14 J-	20	18	23	28
Zinc, Total	7440-66-6	mg/Kg	1000000	--	41 J-	50 J	49	53	47

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Highlighted identifies detection that exceed the RBC

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJDS	SJFP	SJFP	SJFP	SJFP
				Sample ID	SJDS-081515-10	SJFP-081015-10	SJFP-081115-10	SJFP-081215-09	SJFP-081215-10
				Date	8/15/2015	8/10/2015	8/11/2015	8/12/2015	8/12/2015
				Sample Time	10:20	10:35	13:45	9:45	9:30
				Latitude	36.89331	36.74816	36.74816	36.74816	36.74816
Longitude	-108.87864	-108.41202	-108.41202	-108.41202	-108.41202				
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	12000	3200	6500	3800 B	3900 B
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.37 U	< 0.11 UJ	0.13 J	< 0.13 UJ	< 0.13 UJ
Arsenic, Total	7440-38-2	mg/Kg	4200	--	3.4	3.6 J	3.6	2.8	2.6
Barium, Total	7440-39-3	mg/Kg	670000	--	260 J+	200	250	210 J	210 J
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.7	0.29 J	0.53	0.33	0.32
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.35 U	0.042 J	0.065	0.051 J	0.053 J
Calcium, Total	7440-70-2	mg/Kg		--	9500	3200	5200 B	3500	4300
Chromium, Total	7440-47-3	mg/Kg	4300000	--	11	3.4	7.1	3.9 B	3.7 B
Cobalt, Total	7440-48-4	mg/Kg	1000	--	6	2.8 J	5	3.1	3
Copper, Total	7440-50-8	mg/Kg	130000	--	12	4.4 J	9.2 B	5 J	5.1 J
Iron, Total	7439-89-6	mg/Kg	2300000	--	14000 B	6100	10000	6700	6600
Lead, Total	7439-92-1	mg/Kg	20000	--	9.7	5.4 J	7.6	5.9 J	6.3 J
Magnesium, Total	7439-95-4	mg/Kg		--	4200	920	1900 J-	1100	1100
Manganese, Total	7439-96-5	mg/Kg	160000	--	260 B	190 J-	240	190 J-	250 J-
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.017 U	< 0.0091 U	< 0.0093 U	< 0.0097 U	< 0.01 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.69 J	0.33 J	0.48 J	0.39 J	0.36 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	9.7	3.8	7.3	4	3.8
Potassium, Total	7440-09-7	mg/Kg		--		610	1200	740	750
Potassium, Total	9/7/7440	mg/Kg		--	2100 J+				
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.39 J	0.13 J	0.2 J	0.14 J	0.15 J
Silver, Total	7440-22-4	mg/Kg		--		0.017 J	0.025 J	0.017 J	0.03 J
Sodium, Total	7440-23-5	mg/Kg		--	400	130 J	200 J	140 J	140 J
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.35 U	0.075 J	0.17	< 0.063 U	0.067 J
Vanadium, Total	7440-62-2	mg/Kg	17000	--	28	10 J-	18 J-	11	11
Zinc, Total	7440-66-6	mg/Kg	1000000	--	44	23 J-	28 J-	22 J	24 J

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mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location	SJFP	SJFP	SJFP	SJHB	SJHB
				Sample ID	SJFP-081315-10	SJFP-081415-10	SJFP-081515-10	SJHB-081015-09	SJHB-081015-10
				Date	8/13/2015	8/14/2015	8/15/2015	8/10/2015	8/10/2015
				Sample Time	9:36	15:43	10:30	11:25	11:25
				Latitude	36.74816	36.74816	36.74816	36.74519	36.74519
Analyte	CAS.NO	Units	RBC	Longitude	-108.41202	-108.41202	-108.41202	-108.53776	-108.53776
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	4000	4700	6300	4100 J	2000 J
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.018 UR	1.8	< 0.36 U	< 0.11 UJ	< 0.11 UJ
Arsenic, Total	7440-38-2	mg/Kg	4200	--	2.2	1.7	2.1	2.3 J	1.9 J
Barium, Total	7440-39-3	mg/Kg	670000	--	190	160 J+	240 J+	220	160
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.3	0.29 J	0.39 J	0.29 J	0.17 J
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.044 J	< 0.32 U	< 0.33 U	0.064	0.041 J
Calcium, Total	7440-70-2	mg/Kg		--	2900	2900	3600	7900 J	2400 J
Chromium, Total	7440-47-3	mg/Kg	4300000	--	3.4	3.5	5.5	3.8 J	2 J
Cobalt, Total	7440-48-4	mg/Kg	1000	--	2.9	2.5	3.5	2.7 J	1.8 J
Copper, Total	7440-50-8	mg/Kg	130000	--	4.6	4.1	6.7	4.6 J	4.4 J
Iron, Total	7439-89-6	mg/Kg	2300000	--	6200	6200	7600 B	6900	4500
Lead, Total	7439-92-1	mg/Kg	20000	--	5.4	5.6	8	5.9 J	8.4 J
Magnesium, Total	7439-95-4	mg/Kg		--	1100	1100	1500	1700 J	620 J
Manganese, Total	7439-96-5	mg/Kg	160000	--	180	180 B	210 B	200 J-	180 J-
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0081 U	< 0.015 U	< 0.015 U	< 0.0092 U	< 0.0086 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.18 J	< 0.63 U	< 0.66 U	0.37 J	0.34 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	3.4	3.2	4.7	3.8	4.4
Potassium, Total	7440-09-7	mg/Kg		--	730			870 J	390 J
Potassium, Total	9/7/7440	mg/Kg		--		770 J+	1000 J+		
Selenium, Total	7782-49-2	mg/Kg	17000	--	< 0.17 U	0.34 J	0.3 J	0.13 J	0.11 J
Silver, Total	7440-22-4	mg/Kg		--	< 0.026 U			0.019 J	0.023 J
Sodium, Total	7440-23-5	mg/Kg		--	180 J	150	160	240	67 J
Thallium, Total	7440-28-0	mg/Kg	33	--	0.063 J	< 0.32 U	< 0.33 U	0.058 J	< 0.057 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	8.7	9.7	14	11 J-	6.9 J-
Zinc, Total	7440-66-6	mg/Kg	1000000	--	21	20	28	23 J-	37 J-

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mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location	SJHB	SJHB	SJHB	SJHB	SJHB
				Sample ID	SJHB-081115-10	SJHB-081215-10	SJHB-081315-10	SJHB-081415-10	SJHB-081515-10
				Date	8/11/2015	8/12/2015	8/13/2015	8/14/2015	8/15/2015
				Sample Time	13:05	15:30	10:38	16:49	11:55
				Latitude	36.74519	36.74519	36.74519	36.74519	36.74519
				Longitude	-108.53776	-108.53776	-108.53776	-108.53776	-108.53776
Analyte	CAS.NO	Units	RBC						
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	4100	2600 B	2600	3400	2800
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.12 UJ	< 0.11 UJ	< 0.016 UR	< 0.36 U	< 0.34 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	2.5	2.3	1.6	2	1.7
Barium, Total	7440-39-3	mg/Kg	670000	--	180	130 J	330	160 J+	330 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.34	0.23	0.23	< 0.2 U	0.21 J
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.038 J	0.048 J	0.042 J	< 0.33 U	< 0.31 U
Calcium, Total	7440-70-2	mg/Kg		--	3800 B	2600	2900	2200	2000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	3.9	2.4 B	2.4	2.5	3.1
Cobalt, Total	7440-48-4	mg/Kg	1000	--	2.8	2.5	2.2	2.2	2.2
Copper, Total	7440-50-8	mg/Kg	130000	--	5.4 B	3.5 J	3.7	4.2	3.8
Iron, Total	7439-89-6	mg/Kg	2300000	--	6700	4700	5100	5200	5800 B
Lead, Total	7439-92-1	mg/Kg	20000	--	5	6.6 J	5.9	6.9	13
Magnesium, Total	7439-95-4	mg/Kg		--	1200 J-	740	700	790	680
Manganese, Total	7439-96-5	mg/Kg	160000	--	170	200 J-	230	230 B	220 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0093 U	< 0.0085 U	< 0.0075 U	< 0.016 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.36 J	0.33 J	0.18 J	< 0.66 U	< 0.63 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	4.5	2.7	2.6	2.4	2.4
Potassium, Total	7440-09-7	mg/Kg		--	800	490	480		
Potassium, Total	9/7/7440	mg/Kg		--				560 J+	440 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.12 J	0.12 J	< 0.15 U	< 0.26 U	< 0.25 U
Silver, Total	7440-22-4	mg/Kg		--	0.016 J	0.013 J	< 0.023 U		
Sodium, Total	7440-23-5	mg/Kg		--	160 J	100 J	140 J	110	93
Thallium, Total	7440-28-0	mg/Kg	33	--	0.075 J	0.063 J	< 0.0041 U	< 0.33 U	< 0.31 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	11 J-	7.7	6.7	8.2	12
Zinc, Total	7440-66-6	mg/Kg	1000000	--	19 J-	28 J	25	32	28

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D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location Sample ID Date Sample Time Latitude Longitude	SJLP SJLP-081015-10 8/10/2015 9:40 36.73589 -108.25399	SJLP SJLP-081115-10 8/11/2015 14:25 36.73589 -108.25399	SJLP SJLP-081215-10 8/12/2015 9:05 36.73589 -108.25399	SJLP SJLP-081315-10 8/13/2015 9:20 36.73589 -108.25399	SJLP SJLP-081415-10 8/14/2015 14:45 36.73589 -108.25399
Analyte	CAS.NO	Units	RBC						
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	2800	2400	2300 B	3900	3400
Antimony, Total	7440-36-0	mg/Kg	1300	--	0.21 J	< 0.11 UJ	< 0.11 UJ	< 0.018 UR	< 0.34 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	3.8 J	2.7	2.2	2.1	1.6
Barium, Total	7440-39-3	mg/Kg	670000	--	610	370	120 J	370	540 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.26 J	0.21	0.22	0.31	0.23 J
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.11	0.04 J	0.045 J	0.071 J	< 0.32 U
Calcium, Total	7440-70-2	mg/Kg		--	2900	2700 B	2700	3100	2600
Chromium, Total	7440-47-3	mg/Kg	4300000	--	4.6	3.5	2.3 B	3.1	4.4
Cobalt, Total	7440-48-4	mg/Kg	1000	--	2.8 J	2.1	2.3	2.7	2.4
Copper, Total	7440-50-8	mg/Kg	130000	--	8.3 J	4.2 B	3.3 J	6.1	3.8
Iron, Total	7439-89-6	mg/Kg	2300000	--	9600	6300	4300	6500	7700
Lead, Total	7439-92-1	mg/Kg	20000	--	22 J	8	6.4 J	7.3	7
Magnesium, Total	7439-95-4	mg/Kg		--	850	730 J-	690	1100	810
Manganese, Total	7439-96-5	mg/Kg	160000	--	290 J-	170	210 J-	200	190 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0093 U	< 0.0092 U	< 0.0098 U	< 0.0084 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.63 J	0.42 J	0.32 J	0.18 J	< 0.64 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	3.3	3	2.7	3	2.8
Potassium, Total	7440-09-7	mg/Kg		--	520	470	450	700	
Potassium, Total	9/7/7440	mg/Kg		--					580 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.23 J	0.16 J	< 0.11 U	< 0.17 U	0.49 J
Silver, Total	7440-22-4	mg/Kg		--	0.039 J	0.013 J	0.016 J	< 0.025 U	
Sodium, Total	7440-23-5	mg/Kg		--	< 57 U	56 J	80 J	180 J	100
Thallium, Total	7440-28-0	mg/Kg	33	--	0.11 J	< 0.053 U	< 0.057 U	0.063 J	< 0.32 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	19 J-	11 J-	6.9	8.3	15
Zinc, Total	7440-66-6	mg/Kg	1000000	--	76 J-	23 J-	25 J	25	22

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mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location Sample ID Date Sample Time Latitude Longitude	SJLP SJLP-081515-10 8/15/2015 9:15 36.73589 -108.25399	SJMC SJMC-081015-10 8/10/2015 13:35 37.25823 -109.31060	SJMC SJMC-081115-10 8/11/2015 12:20 37.25823 -109.31060	SJMC SJMC-081215-09 8/12/2015 12:35 37.25823 -109.31060	SJMC SJMC-081215-10 8/12/2015 12:30 37.25823 -109.31060
Analyte	CAS.NO	Units	RBC						
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	3200	5200	4700	7500 B	7900 B
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.34 U	< 0.12 UJ	< 0.11 UJ	< 0.13 UJ	< 0.13 UJ
Arsenic, Total	7440-38-2	mg/Kg	4200	--	1.5	2.9 J	2.8	3.4	3.6
Barium, Total	7440-39-3	mg/Kg	670000	--	610 J+	240	200	200 J	210 J
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.23 J	0.38 J	0.36	0.48	0.51
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.32 U	0.061	0.069	0.087	0.12
Calcium, Total	7440-70-2	mg/Kg		--	2200	12000	9100 B	26000	28000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	5.2	5.4	4.5	7.1 B	7.7 B
Cobalt, Total	7440-48-4	mg/Kg	1000	--	2.4	3.4 J	3.3	4.6	4.8
Copper, Total	7440-50-8	mg/Kg	130000	--	3.9	6.4 J	6 B	7.7 J	8.1 J
Iron, Total	7439-89-6	mg/Kg	2300000	--	7100 B	8500	7200	9700	10000
Lead, Total	7439-92-1	mg/Kg	20000	--	7.2	6.6 J	6.7	8.2 J	8.5 J
Magnesium, Total	7439-95-4	mg/Kg		--	760	3200	2000 J-	5600	6000
Manganese, Total	7439-96-5	mg/Kg	160000	--	170 B	210 J-	230	290 J-	310 J-
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.015 U	< 0.0098 U	< 0.0093 U	< 0.0096 U	< 0.01 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.63 U	0.38 J	0.4 J	0.46 J	0.5 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	2.9	5.4	4.9	8	8.4
Potassium, Total	7440-09-7	mg/Kg		--		1100	960	1900	2100
Potassium, Total	9/7/7440	mg/Kg		--	520 J+				
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.39 J	0.16 J	0.16 J	0.22 J	0.23 J
Silver, Total	7440-22-4	mg/Kg		--		0.034 J	0.022 J	0.039 J	0.033 J
Sodium, Total	7440-23-5	mg/Kg		--	88	190 J	210	420	460
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.32 U	0.069 J	0.12	0.11 J	0.12 J
Vanadium, Total	7440-62-2	mg/Kg	17000	--	17	13 J-	12 J-	15	16
Zinc, Total	7440-66-6	mg/Kg	1000000	--	18	23 J-	26 J-	28 J	30 J

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location Sample ID Date Sample Time Latitude Longitude	SJMC SJMC-081315-10 8/13/2015 12:55 37.25823 -109.31060	SJMC SJMC-081415-10 8/14/2015 12:30 37.25823 -109.31060	SJMC SJMC-081515-10 8/15/2015 17:00 37.25823 -109.31060	SJME SJME-081015-10 8/10/2015 14:40 37.21681 -109.19615	SJME SJME-081115-09 8/11/2015 13:35 37.21681 -109.19615
Analyte	CAS.NO	Units	RBC						
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	4400	9700	11000	4000	3500
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.017 UR	< 0.37 U	< 0.39 U	< 0.11 UJ	< 0.11 UJ
Arsenic, Total	7440-38-2	mg/Kg	4200	--	1.9	2.5	2.6	2.5 J	2.5
Barium, Total	7440-39-3	mg/Kg	670000	--	190	370 J+	220 J+	230	200
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.29	0.44	0.52	0.31 J	0.32
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.049 J	< 0.34 U	< 0.36 U	0.059	0.048 J
Calcium, Total	7440-70-2	mg/Kg		--	8400	13000	13000	7400	3400 B
Chromium, Total	7440-47-3	mg/Kg	4300000	--	3.7	7.8	8.1	4	3.8
Cobalt, Total	7440-48-4	mg/Kg	1000	--	2.6	4.1	4.6	2.9 J	2.8
Copper, Total	7440-50-8	mg/Kg	130000	--	4.3	7.9	9.3	4.9 J	4.8 B
Iron, Total	7439-89-6	mg/Kg	2300000	--	6400	12000	12000 B	6800	5900
Lead, Total	7439-92-1	mg/Kg	20000	--	5.1	8.1	8.2	6.3 J	5.1
Magnesium, Total	7439-95-4	mg/Kg		--	2000	3600	4300	1600	1000 J-
Manganese, Total	7439-96-5	mg/Kg	160000	--	200	260 B	270 B	210 J-	170
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0078 U	< 0.016 U	< 0.017 U	< 0.0083 U	< 0.01 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.16 J	< 0.68 U	< 0.72 U	0.31 J	0.33 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	3.8	6.4	7.2	3.9	3.8
Potassium, Total	7440-09-7	mg/Kg		--	930			860	690
Potassium, Total	9/7/7440	mg/Kg		--		2000 J+	2100 J+		
Selenium, Total	7782-49-2	mg/Kg	17000	--	< 0.16 U	< 0.27 U	0.36 J	0.13 J	0.14 J
Silver, Total	7440-22-4	mg/Kg		--	< 0.025 U			0.017 J	0.016 J
Sodium, Total	7440-23-5	mg/Kg		--	220 J	290	370	200 J	110 J
Thallium, Total	7440-28-0	mg/Kg	33	--	0.065 J	< 0.34 U	< 0.36 U	0.059 J	0.072 J
Vanadium, Total	7440-62-2	mg/Kg	17000	--	8.8	21	19	12 J-	11 J-
Zinc, Total	7440-66-6	mg/Kg	1000000	--	23	30	32	24 J-	19 J-

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D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location	SJME	SJME	SJME	SJME	SJME
				Sample ID	SJME-081115-10	SJME-081215-10	SJME-081315-10	SJME-081415-10	SJME-081515-10
				Date	8/11/2015	8/12/2015	8/13/2015	8/14/2015	8/15/2015
				Sample Time	13:30	13:20	13:40	13:20	16:55
				Latitude	37.21681	37.21681	37.21681	37.21681	37.21681
Analyte	CAS.NO	Units	RBC	Longitude	-109.19615	-109.19615	-109.19615	-109.19615	-109.19615
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	3800	4200 B	1800	8900	6400
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.12 UJ	< 0.12 UJ	< 0.015 UR	< 0.37 U	< 0.37 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	2.4	2.8	0.92	2.1	2
Barium, Total	7440-39-3	mg/Kg	670000	--	210	160 J	140	210 J+	260 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.29	0.33	0.11	0.44	0.41
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.061	0.061	0.039 J	< 0.34 U	< 0.35 U
Calcium, Total	7440-70-2	mg/Kg		--	7600 J	10000	11000	12000	9800
Chromium, Total	7440-47-3	mg/Kg	4300000	--	3.7	4.6 B	1.1	6.6	6.1
Cobalt, Total	7440-48-4	mg/Kg	1000	--	2.8	3.5	0.87	3.8	3.4
Copper, Total	7440-50-8	mg/Kg	130000	--	5.3 B	6.1 J	1.9	7.4	5.9
Iron, Total	7439-89-6	mg/Kg	2300000	--	6500	7100	2700	10000	8000 B
Lead, Total	7439-92-1	mg/Kg	20000	--	6.3	6.1 J	2.3	7.1	6.7
Magnesium, Total	7439-95-4	mg/Kg		--	1700 J-	2400	1100	3500	3100
Manganese, Total	7439-96-5	mg/Kg	160000	--	200	210 J-	170	240 B	220 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0099 U	< 0.0095 U	< 0.0074 U	< 0.016 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.33 J	0.34 J	0.091 J	< 0.69 U	0.71 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	4.1	5.4	1.3	6	5.5
Potassium, Total	7440-09-7	mg/Kg		--	820	930	570		
Potassium, Total	9/7/7440	mg/Kg		--				1700 J+	1300 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.13 J	0.14 J	< 0.15 U	0.37 J	0.44 J
Silver, Total	7440-22-4	mg/Kg		--	0.023 J	0.019 J	< 0.022 U		
Sodium, Total	7440-23-5	mg/Kg		--	190 J	240	85 J	370	230
Thallium, Total	7440-28-0	mg/Kg	33	--	0.073 J	0.075 J	< 0.0039 U	< 0.34 U	< 0.35 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	11 J-	12	3.5	16	15
Zinc, Total	7440-66-6	mg/Kg	1000000	--	23 J-	22 J	6.4	27	25

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location Sample ID Date Sample Time Latitude Longitude	SJMH SJMH-081015-10 8/10/2015 11:35 37.14999 -109.86628	SJMH SJMH-081115-10 8/11/2015 10:35 37.14999 -109.86628	SJMH SJMH-081215-10 8/12/2015 10:35 37.14999 -109.86628	SJMH SJMH-081315-10 8/13/2015 14:43 37.14999 -109.86628	SJMH SJMH-081415-10 8/14/2015 10:15 37.14999 -109.86628
Analyte	CAS.NO	Units	RBC						
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	3600	2100	930 B	2100	2500
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.11 UJ	< 0.11 UJ	< 0.12 UJ	0.043 J-	< 0.32 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	2 J	1.9	0.7	0.78	0.45 J
Barium, Total	7440-39-3	mg/Kg	670000	--	240	500	39 J	130	42 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.27 J	0.16	0.083	0.17	< 0.18 U
Cadmium, Total	7440-43-9	mg/Kg	1700	--	0.062	0.039 J	0.023 J	0.025 J	< 0.3 U
Calcium, Total	7440-70-2	mg/Kg		--	12000	9500 B	16000	11000	19000
Chromium, Total	7440-47-3	mg/Kg	4300000	--	4	4	1.7 B	2.2	3.2
Cobalt, Total	7440-48-4	mg/Kg	1000	--	2.4 J	1.8	0.74	1.1	1
Copper, Total	7440-50-8	mg/Kg	130000	--	4.2 J	2.7 B	0.67 J	1.5	0.91 J
Iron, Total	7439-89-6	mg/Kg	2300000	--	5800	7400	1900	2800	2800
Lead, Total	7439-92-1	mg/Kg	20000	--	5.1 J	4.7	1.4 J	2.1	1.8
Magnesium, Total	7439-95-4	mg/Kg		--	2200	1600 J-	2400	2300	3700
Manganese, Total	7439-96-5	mg/Kg	160000	--	180 J-	130	77 J-	94	89 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.0087 U	< 0.0087 U	< 0.01 U	< 0.007 U	< 0.014 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	0.26 J	0.23 J	< 0.095 U	0.08 J	< 0.59 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	3.8	2.9	1.7	2	2.5
Potassium, Total	7440-09-7	mg/Kg		--	930	580	310	610	
Potassium, Total	9/7/7440	mg/Kg		--					800 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.13 J	0.11 J	< 0.12 U	< 0.13 U	< 0.24 U
Silver, Total	7440-22-4	mg/Kg		--	0.015 J	< 0.011 U	< 0.012 U	< 0.021 U	
Sodium, Total	7440-23-5	mg/Kg		--	160 J	81 J	< 57 U	98 J	67 J
Thallium, Total	7440-28-0	mg/Kg	33	--	0.1 J	< 0.053 U	< 0.059 U	< 0.0036 U	< 0.3 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	10 J-	15 J-	3.5	4.3	5.1
Zinc, Total	7440-66-6	mg/Kg	1000000	--	17 J-	13 J-	3.7 J	7.5	6.1 J

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location Sample ID Date Sample Time Latitude Longitude	SJMH SJMH-081515-10 8/15/2015 10:45 37.14999 -109.86628	SJSR SJSR-081015-10 8/10/2015 12:10 36.78162 -108.69278	SJSR SJSR-081115-10 8/11/2015 12:35 36.78162 -108.69278	SJSR SJSR-081215-10 8/12/2015 10:35 36.78162 -108.69278	SJSR SJSR-081315-10 8/13/2015 11:18 36.78162 -108.69278
Analyte	CAS.NO	Units	RBC						
Metals, Total									
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	3700	3000	1800	2900 B	3300
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.34 U	< 0.1 UJ	< 0.11 UJ	< 0.12 UJ	< 0.016 UR
Arsenic, Total	7440-38-2	mg/Kg	4200	--	1.3	2.3 J	3.6	2.8	2.1
Barium, Total	7440-39-3	mg/Kg	670000	--	240 J+	140	220	220 J	390
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.22 J	0.24 J	0.16	0.27	0.21
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.32 U	0.04 J	0.046 J	0.051 J	0.058 J
Calcium, Total	7440-70-2	mg/Kg		--	8900	2700	1800 B	3000	2900
Chromium, Total	7440-47-3	mg/Kg	4300000	--	4.2	2.6	1.9	3.3 B	2.9
Cobalt, Total	7440-48-4	mg/Kg	1000	--	1.9	2.5 J	2.1	2.8	2.5
Copper, Total	7440-50-8	mg/Kg	130000	--	2.7	3.6 J	24 B	5.4 J	6.4
Iron, Total	7439-89-6	mg/Kg	2300000	--	4800 B	5300	5700	6100	6400
Lead, Total	7439-92-1	mg/Kg	20000	--	4	6.1 J	16	8.4 J	9.3
Magnesium, Total	7439-95-4	mg/Kg		--	2000	850	570 J-	890	930
Manganese, Total	7439-96-5	mg/Kg	160000	--	160 B	210 J-	240	230 J-	240
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.015 U	< 0.0089 U	< 0.0097 U	< 0.0087 U	< 0.0075 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.64 U	0.27 J	0.46 J	0.4 J	0.21 J
Nickel, Total	7440-02-0	mg/Kg	67000	--	3	3	2.4	3.5	2.9
Potassium, Total	7440-09-7	mg/Kg		--		550	320	560	580
Potassium, Total	9/7/7440	mg/Kg		--	880 J+				
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.31 J	0.11 J	< 0.11 U	0.34 J	< 0.15 U
Silver, Total	7440-22-4	mg/Kg		--		0.013 J	0.054 J	0.029 J	0.031 J
Sodium, Total	7440-23-5	mg/Kg		--	130	170 J	100 J	99 J	160 J
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.32 U	< 0.051 U	< 0.056 U	< 0.06 U	0.053 J
Vanadium, Total	7440-62-2	mg/Kg	17000	--	11	7.9 J-	8.7 J-	11	8.6
Zinc, Total	7440-66-6	mg/Kg	1000000	--	17	26 J-	39 J-	34 J	34

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

				Location	SJSR	SJSR	SJSR
				Sample ID	SJSR-081415-10	SJSR-081515-09	SJSR-081515-10
				Date	8/14/2015	8/15/2015	8/15/2015
				Sample Time	9:10	9:05	9:05
				Latitude	36.78162	36.78162	36.78162
				Longitude	-108.69278	-108.69278	-108.69278
Analyte	CAS.NO	Units	RBC				
Metals, Total							
Aluminum, Total	7429-90-5	mg/Kg	3300000	--	4100	4800	6600
Antimony, Total	7440-36-0	mg/Kg	1300	--	< 0.34 U	< 0.36 U	< 0.35 U
Arsenic, Total	7440-38-2	mg/Kg	4200	--	2.3	2	2.1
Barium, Total	7440-39-3	mg/Kg	670000	--	790 J+	270 J+	260 J+
Beryllium, Total	7440-41-7	mg/Kg	6700	--	0.24 J	0.3 J	0.4
Cadmium, Total	7440-43-9	mg/Kg	1700	--	< 0.32 U	< 0.33 U	< 0.33 U
Calcium, Total	7440-70-2	mg/Kg		--	3100	2900	3500
Chromium, Total	7440-47-3	mg/Kg	4300000	--	6.3	4.3	5.6
Cobalt, Total	7440-48-4	mg/Kg	1000	--	3.1	2.8	3.6
Copper, Total	7440-50-8	mg/Kg	130000	--	5.5	4.9	5.9
Iron, Total	7439-89-6	mg/Kg	2300000	--	14000	6700 B	7600 B
Lead, Total	7439-92-1	mg/Kg	20000	--	12	6.6	6.7
Magnesium, Total	7439-95-4	mg/Kg		--	1000	1200	1500
Manganese, Total	7439-96-5	mg/Kg	160000	--	260 B	200 B	200 B
Mercury, Total	7439-97-6	mg/Kg	1000	--	< 0.016 U	< 0.015 U	< 0.016 U
Molybdenum, Total	7439-98-7	mg/Kg	17000	--	< 0.64 U	< 0.66 U	< 0.65 U
Nickel, Total	7440-02-0	mg/Kg	67000	--	3.3	3.5	4.7
Potassium, Total	7440-09-7	mg/Kg		--			
Potassium, Total	9/7/7440	mg/Kg		--	670 J+	790 J+	1000 J+
Selenium, Total	7782-49-2	mg/Kg	17000	--	0.27 J	< 0.27 U	< 0.26 U
Silver, Total	7440-22-4	mg/Kg		--			
Sodium, Total	7440-23-5	mg/Kg		--	110	150	220
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.32 U	< 0.33 U	< 0.33 U
Vanadium, Total	7440-62-2	mg/Kg	17000	--	28	13	15
Zinc, Total	7440-66-6	mg/Kg	1000000	--	37	30	26

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Table 2
Surfacewater Analytical Data - Region 9
Upper Animas River

ug/kg - Parts per billion (micrograms per kilogram), liquids equivalent = ug/l

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL	Drinking Water MCL	RCB	Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Location	MECT	MECT	MECT
										Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11
										Date	8/9/2015	8/10/2015	8/11/2015
										Sample Time	17:05	14:15	13:45
										Latitude	37.21846	37.21846	37.21846
Longitude	-109.19081	-109.19081	-109.19081										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	62 J	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.3	1.3	0.83 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	85	85	68
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	160000	170000	48000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.5	0.45	0.75
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	2.6	3 J+	1.9
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	17 J	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.072 J	< 0.06 U	0.14 J
Magnesium, Dissolved	7439-95-4	ug/L								--	68000	71000	5400
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	4.2	1.8 J	2.2 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	3	3.1 J-	1.7 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	3.4	3.8	1
Potassium, Dissolved	7440-09-7	ug/L								--	5400	5500	2800
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.3 J	< 0.58 U	1.4 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	67000	70000	28000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.5	2.6	1.6
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	8600	9800	3000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	4.1	4.5	2.8
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	180	180	290
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.53	0.53	1.9
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.13	0.1	0.18
Calcium, Total	7440-70-2	ug/L								--	190000	190000	77000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	5.9	7.5	< 1 U
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	3.6	3.4	7.6

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	Copper, Total	7440-50-8	ug/L	16
Iron, Total	7439-89-6	ug/L	120000		120000					--	Iron, Total	7439-89-6	ug/L	120000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	Lead, Total	7439-92-1	ug/L	5
Magnesium, Total	7439-95-4	ug/L								--	Magnesium, Total	7439-95-4	ug/L	
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	Manganese, Total	7439-96-5	ug/L	200
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	Mercury, Total	7439-97-6	ug/L	0.77
Molybdenum, Total	7439-98-7	ug/L	830		830					--	Molybdenum, Total	7439-98-7	ug/L	830
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	Nickel, Total	7440-02-0	ug/L	90
Potassium, Total	7440-09-7	ug/L								--	Potassium, Total	7440-09-7	ug/L	
Potassium, Total	9/7/7440	ug/L								--	Potassium, Total	9/7/7440	ug/L	
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	Selenium, Total	7782-49-2	ug/L	5
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	Silver, Total	7440-22-4	ug/L	9.9
Sodium, Total	7440-23-5	ug/L								--	Sodium, Total	7440-23-5	ug/L	
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	Thallium, Total	7440-28-0	ug/L	1.7
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	Vanadium, Total	7440-62-2	ug/L	100
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	Zinc, Total	7440-66-6	ug/L	219
General											General			
Alkalinity	STL00171	mg/L								--	Alkalinity	STL00171	mg/L	
pH	STL00204	SU								--	pH	STL00204	SU	
Total Dissolved Solids	STL00242	mg/L								--	Total Dissolved Solids	STL00242	mg/L	
Total Hardness	STL00009	mg/L								--	Total Hardness	STL00009	mg/L	
Total Suspended Solids	STL00161	mg/L								--	Total Suspended Solids	STL00161	mg/L	

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Bold - Bolded results identify a detected value.

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Drinking Water MCL	RCB	Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Location	MECT	MECT	MECT	MECT	MECT	MECT
						Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	MECT-081215-11	MECT-081315-11	MECT-081415-11
						Date	8/9/2015	8/10/2015	8/11/2015	8/12/2015	8/13/2015	8/14/2015
						Sample Time	17:05	14:15	13:45	13:45	13:25	13:00
						Latitude	37.21846	37.21846	37.21846	37.21846	37.21846	37.21846
						Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081
	170000	8358	3348	5000		--	62 J	< 24 U	< 24 U	86 J	190 J	< 25 U
6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U	< 1 U
10	50			100	200	--	1.3	1.3	0.83 J	0.51 J	< 0.37 U	1.6 J
2000	33000					--	85	85	68	80	79	73
4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.5 U
5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.5 U
						--	160000	170000	48000	170000	160000	140000
100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U	< 1 U	1.3 J	< 1 U
	50			50	1000	--	0.5	0.45	0.75	0.52	0.59	< 1 U
1300	6700	25	16	200	500	--	2.6	3 J+	1.9	4.1	3.6	2.2 J
	120000					--	17 J	< 17 U	< 17 U	28 J	120	< 10 U
15	200	130	5	5000	100	--	0.072 J	< 0.06 U	0.14 J	0.13 J	0.17 J	< 1 U
						--	68000	71000	5400	75000	72000	63000
	7800	3710	2050	200		--	4.2	1.8 J	2.2 J	7.2	11	4
2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.1 U
	830					--	3	3.1 J-	1.7 J	3.3	3	2.8 J
	3300	813	90	200	1000	--	3.4	3.8	1	4	4.9	2.6 J
						--	5400	5500	2800	5600	5500	4200
						--						
50	830	20	5	130	250	--	1.3 J	< 0.58 U	1.4 J	1.2 J	2.2 ^	< 1 U
		9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U
						--	67000	70000	28000	70000	74000	61000
2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U
	830			100	100	--	2.5	2.6	1.6	2.8	2.2	2.2 J
	50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U	4.1 J	4.6 J	< 5 U
	170000	8358	3348	5000		--	8600	9800	3000	8400	9400	8600
6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U	< 1 U
10	50			100	200	--	4.1	4.5	2.8	3.1	3.3	3.4
2000	33000					--	180	180	290	150	170	150
4	330	340	150	100	100	--	0.53	0.53	1.9	0.41	0.47	< 0.5 U
5	83	2.88	0.72	10	50	--	0.13	0.1	0.18	0.096 J	0.097 J	< 0.5 U
						--	190000	190000	77000	190000	180000	180000
100	220000	972	126	100	1000	--	5.9	7.5	< 1 U	6.3	6.4	2.7 J
	50			50	1000	--	3.6	3.4	7.6	3	3.1	2.2

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1300	6700	25	16	200	500
Iron, Total	7439-89-6	ug/L	120000		120000					--		120000				
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	15	200	130	5	5000	100
Magnesium, Total	7439-95-4	ug/L								--						
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--		7800	3710	2050	200	
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	2	50	104	0.77		10
Molybdenum, Total	7439-98-7	ug/L	830		830					--		830				
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--		3300	813	90	200	1000
Potassium, Total	7440-09-7	ug/L								--						
Potassium, Total	9/7/7440	ug/L								--						
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	50	830	20	5	130	250
Silver, Total	7440-22-4	ug/L	9.9			9.9				--			9.9			
Sodium, Total	7440-23-5	ug/L								--						
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	2	1.7				
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--		830			100	100
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--		50000	290	219	2000	25000
General																
Alkalinity	STL00171	mg/L								--						
pH	STL00204	SU								--						
Total Dissolved Solids	STL00242	mg/L								--						
Total Hardness	STL00009	mg/L								--						
Total Suspended Solids	STL00161	mg/L								--						

Bold - Bolded results identify a detected value.

Highlighted Identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

sted screening values)

ater than or equal to MDL)

/Kg.

Kg

Location	MECT	MECT	MECT	MECT	MECT	MECT	MECT	SJ4C	SJ4C
Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	MECT-081215-11	MECT-081315-11	MECT-081415-11	MECT-081515-11	SJ4C-080915-11	SJ4C-081015-11
Date	8/9/2015	8/10/2015	8/11/2015	8/12/2015	8/13/2015	8/14/2015	8/15/2015	8/9/2015	8/10/2015
Sample Time	17:05	14:15	13:45	13:45	13:25	13:00	16:35	15:20	15:05
Latitude	37.21846	37.21846	37.21846	37.21846	37.21846	37.21846	37.21846	36.99622	36.99622
Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081	-109.19081	-109.00468	-109.00468

--	62 J	< 24 U	< 24 U	86 J	190 J	< 25 U	< 25 U	< 24 U	28 J
--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U	< 1 U	< 1 U	< 0.4 U	< 0.4 UJ
--	1.3	1.3	0.83 J	0.51 J	< 0.37 U	1.6 J	1.4 J	0.56 J	1
--	85	85	68	80	79	73	80	76	68
--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.5 U	< 0.5 U	< 0.15 U	< 0.15 U
--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.5 U	< 0.5 U	< 0.043 U	< 0.043 U
--	160000	170000	48000	170000	160000	140000	150000	55000	48000
--	< 1 U	< 1 U	< 1 U	< 1 U	1.3 J	< 1 U	< 1 U	< 1 U	< 1 U
--	0.5	0.45	0.75	0.52	0.59	< 1 U	< 1 U	< 0.12 U	1.3
--	2.6	3 J+	1.9	4.1	3.6	2.2 J	2.4 J	1.7	2.4 J+
--	17 J	< 17 U	< 17 U	28 J	120	< 10 U	< 10 U	< 17 U	68
--	0.072 J	< 0.06 U	0.14 J	0.13 J	0.17 J	< 1 U	< 1 U	< 0.06 U	0.077 J
--	68000	71000	5400	75000	72000	63000	72000	6800	5700
--	4.2	1.8 J	2.2 J	7.2	11	4	3.5	4.3	3.1
--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.1 U	< 0.1 U	< 0.08 U	< 0.08 U
--	3	3.1 J-	1.7 J	3.3	3	2.8 J	3.2 J	1.9	1.9 J-
--	3.4	3.8	1	4	4.9	2.6 J	2.1 J	1	1.2
--	5400	5500	2800	5600	5500	4200	4900	2800	3000
--									
--	1.3 J	< 0.58 U	1.4 J	1.2 J	2.2 ^	< 1 U	< 1 U	1 J	< 0.58 U
--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U
--	67000	70000	28000	70000	74000	61000	73000	24000	34000
--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U
--	2.5	2.6	1.6	2.8	2.2	2.2 J	2.3 J	1	1.6
--	< 2.8 U	< 2.8 U	< 2.8 U	4.1 J	4.6 J	< 5 U	< 5 U	< 2.8 U	< 2.8 U

--	8600	9800	3000	8400	9400	8600	9500	33000	82000
--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U	< 1 U	< 1 UJ	0.4 J	< 0.4 UJ
--	4.1	4.5	2.8	3.1	3.3	3.4	3	13	16
--	180	180	290	150	170	150	140	540	810
--	0.53	0.53	1.9	0.41	0.47	< 0.5 U	< 0.5 U	2	4.5
--	0.13	0.1	0.18	0.096 J	0.097 J	< 0.5 U	< 0.5 U	0.11 J	0.32
--	190000	190000	77000	190000	180000	180000	200000	87000	84000
--	5.9	7.5	< 1 U	6.3	6.4	2.7 J	2.3 J	18	44
--	3.6	3.4	7.6	3	3.1	2.2	1.8 J	14	31

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	--	9.6	9.5 B
Iron, Total	7439-89-6	ug/L	120000		120000					--	--	7600	7400
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	--	7.9	7
Magnesium, Total	7439-95-4	ug/L								--	--	73000	77000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	--	360	310
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	--	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	--	3.1 J-	3.6 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	--	9.8	9.9
Potassium, Total	7440-09-7	ug/L								--	--	8100	9000
Potassium, Total	9/7/7440	ug/L								--	--		
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	--	< 0.58 U	2.9 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	--	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	--	67000	72000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	--	0.16 J	0.17 J
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	--	17	20
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	--	29 J-	28
General													
Alkalinity	STL00171	mg/L								--	--	210	220
pH	STL00204	SU								--	--	8.26 J	8.38 J
Total Dissolved Solids	STL00242	mg/L								--	--	1000	1100
Total Hardness	STL00009	mg/L								--	--	780	800
Total Suspended Solids	STL00161	mg/L								--	--	620	430

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL			Drinking Water MCL		RCB		Location	MECT	MECT	MECT	
											Sample ID	MECT-081115-11	MECT-081215-11	MECT-081315-11
											Date	8/11/2015	8/12/2015	8/13/2015
											Sample Time	13:45	13:45	13:25
											Latitude	37.21846	37.21846	37.21846
Longitude	-109.19081	-109.19081	-109.19081											
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 U	86 J	190 J	
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.4 U	
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.83 J	0.51 J	< 0.37 U	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	68	80	79	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	
Calcium, Dissolved	7440-70-2	ug/L								--	48000	170000	160000	
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	1.3 J	
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.75	0.52	0.59	
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.9	4.1	3.6	
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	28 J	120	
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.14 J	0.13 J	0.17 J	
Magnesium, Dissolved	7439-95-4	ug/L								--	5400	75000	72000	
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	2.2 J	7.2	11	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.7 J	3.3	3	
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1	4	4.9	
Potassium, Dissolved	7440-09-7	ug/L								--	2800	5600	5500	
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.4 J	1.2 J	2.2 ^	
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	28000	70000	74000	
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.6	2.8	2.2	
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	4.1 J	4.6 J	
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	3000	8400	9400	
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U	
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	2.8	3.1	3.3	
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	290	150	170	
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.9	0.41	0.47	
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.18	0.096 J	0.097 J	
Calcium, Total	7440-70-2	ug/L								--	77000	190000	180000	
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	6.3	6.4	
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	7.6	3	3.1	

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	15	10	8.5
Iron, Total	7439-89-6	ug/L	120000		120000					--	1400	6500	7600
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	11	6.1	6.5
Magnesium, Total	7439-95-4	ug/L								--	8300	77000	77000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	700	270	290
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	0.68 J	3.7	3.6
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	5.2	9	9.8
Potassium, Total	7440-09-7	ug/L								--	3900	8300	8600
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.2 J	2.8	4.2 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	30000	69000	74000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	0.19 J	0.18 J
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	12	19	18
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	29	26	27
General													
Alkalinity	STL00171	mg/L								--	92	210	210
pH	STL00204	SU								--	8.23 J	8.3 J	8.32 J
Total Dissolved Solids	STL00242	mg/L								--	310	1100	970
Total Hardness	STL00009	mg/L								--	230	780	780
Total Suspended Solids	STL00161	mg/L								--	2700	360	370

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	MECT	MECT	SJ4C
										Sample ID	MECT-081415-11	MECT-081515-11	SJ4C-080915-11
										Date	8/14/2015	8/15/2015	8/9/2015
										Sample Time	13:00	16:35	15:20
										Latitude	37.21846	37.21846	36.99622
										Longitude	-109.19081	-109.19081	-109.00468
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	< 25 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 1 U	< 1 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.6 J	1.4 J	0.56 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	73	80	76
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.5 U	< 0.5 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.5 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	140000	150000	55000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 1 U	< 1 U	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	2.2 J	2.4 J	1.7
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	< 10 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 1 U	< 1 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	63000	72000	6800
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	4	3.5	4.3
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.1 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	2.8 J	3.2 J	1.9
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	2.6 J	2.1 J	1
Potassium, Dissolved	7440-09-7	ug/L								--	4200	4900	2800
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 1 U	< 1 U	1 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	61000	73000	24000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 1 U	< 1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.2 J	2.3 J	1
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 5 U	< 5 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	8600	9500	33000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 1 U	< 1 UJ	0.4 J
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	3.4	3	13
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	150	140	540
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.5 U	< 0.5 U	2
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.5 U	0.11 J
Calcium, Total	7440-70-2	ug/L								--	180000	200000	87000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	2.7 J	2.3 J	18
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	2.2	1.8 J	14

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	6.4	5.6	62
Iron, Total	7439-89-6	ug/L	120000		120000					--	5900	5700	35000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	4.9	4.1	180
Magnesium, Total	7439-95-4	ug/L								--	77000	89000	17000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	260	210	740
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.1 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	3.1 J	3.3 J	2.8 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	6.3	5.4	20
Potassium, Total	7440-09-7	ug/L								--	7400 J+	8400	9300
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 1 U	< 1 U	0.98 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 1 U	1.3
Sodium, Total	7440-23-5	ug/L								--	74000	85000	26000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 1 U	< 1 UJ	0.4
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	9.7	8.5	50
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	24 J	25 J	160 J-
General													
Alkalinity	STL00171	mg/L								--	230	220	88
pH	STL00204	SU								--	8.36 J	8.36 J	8.08 J
Total Dissolved Solids	STL00242	mg/L								--	1100	1200	140
Total Hardness	STL00009	mg/L								--	360	420	290
Total Suspended Solids	STL00161	mg/L								--	280	280	2000

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location			SJ4C	SJ4C	SJ4C		
										Sample ID	Date	Sample Time	Latitude	Longitude	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12
Sample ID	Date	Sample Time	Latitude	Longitude	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12										
Date	Sample Time	Latitude	Longitude	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12											
Sample Time	Latitude	Longitude	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12												
Latitude	Longitude	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12													
Longitude	SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12														
SJ4C-081015-11	SJ4C-081115-11	SJ4C-081115-12															
SJ4C-081115-11	SJ4C-081115-12																
SJ4C-081115-12																	

Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	28 J	25 J	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1	1.2	0.92 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	68	65	60
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	48000	46000	43000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	1.3	2.5	0.27 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	2.4 J+	2.5	2.4
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	68	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.077 J	0.094 J	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	5700	4900	4700
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	3.1	4.6	< 1.2 U
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.9 J-	2	1.9 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.2	1.3	1.2
Potassium, Dissolved	7440-09-7	ug/L								--	3000	3300	3100
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	0.78 J	1.7 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	34000	40000	38000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.6	2	1.5
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	82000	120000	110000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	16	24	23
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	810	1200	1100
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	4.5	7.4	7.1
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.32	0.31	0.35
Calcium, Total	7440-70-2	ug/L								--	84000	100000	99000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	44	55	53
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	31	48	46

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	74 B	120	110
Iron, Total	7439-89-6	ug/L	120000		120000					--	70000	91000	86000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	71	89	84
Magnesium, Total	7439-95-4	ug/L								--	23000	28000	27000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	1400	2000	2000
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.17 J	0.15 J	0.16 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.5 J-	0.99 J	0.96 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	40	55	52
Potassium, Total	7440-09-7	ug/L								--	16000	19000	18000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	4.2 J+	5.2	4.2
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.42 J	0.55 J	0.52 J
Sodium, Total	7440-23-5	ug/L								--	36000	43000	41000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.81	1.2	1.1
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	110	130	130
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	220	270	250
General													
Alkalinity	STL00171	mg/L								--	83	97	96
pH	STL00204	SU								--	8.22 J	8.2 J	8.19 J
Total Dissolved Solids	STL00242	mg/L								--	390	140	350
Total Hardness	STL00009	mg/L								--	300	380	360
Total Suspended Solids	STL00161	mg/L								--	4000	6700	5200

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJ4C	SJ4C	SJ4C
										Sample ID	SJ4C-081215-11	SJ4C-081315-11	SJ4C-081415-11
										Date	8/12/2015	8/13/2015	8/14/2015
										Sample Time	14:35	14:41	12:40
										Latitude	36.99622	36.99622	36.99622
Longitude	-109.00468	-109.00468	-109.00468										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	840	4900	230
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1	1.4	1.1
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	85	120	75
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	0.19 J	< 0.25 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.25 U
Calcium, Dissolved	7440-70-2	ug/L								--	56000	55000	51000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	2.5	< 0.5 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.45	1.4	< 0.5 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	3.6	7.7	2.6
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	490	3500	99
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.79	2.4	< 0.5 U
Magnesium, Dissolved	7439-95-4	ug/L								--	7400	7100	6400
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	24	47	3.8
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.5	2.4	1.8 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.8	3.4	0.88 J
Potassium, Dissolved	7440-09-7	ug/L								--	3100	4900	3200
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	2.3	0.97 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.5 U
Sodium, Dissolved	7440-23-5	ug/L								--	26000	58000	40000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.5 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	4.3	8.5	1.8 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	4.6 J	13 J	< 2.5 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	24000	80000	25000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.5 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	4.2	14	5.9
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	260	670	340
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.1	3.9	1.4
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.11	0.35	0.51 J
Calcium, Total	7440-70-2	ug/L								--	83000	92000	75000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	13	38	9.2
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	7.6	26	8.4

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	17	72	27
Iron, Total	7439-89-6	ug/L	120000		120000					--	16000	67000	22000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	15	49	20
Magnesium, Total	7439-95-4	ug/L								--	15000	23000	13000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	360	930	380
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	0.14 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.6	2.5	1.6 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	12	34	12
Potassium, Total	7440-09-7	ug/L								--	8400	14000	7500 J+
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1 J	3.5 J+	1.2 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	0.22 J	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	28000	61000	48000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.23	0.89	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	35	100	30
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	50	190	74
General													
Alkalinity	STL00171	mg/L								--	110	100	110
pH	STL00204	SU								--	8.17 J	8.07 J	8.22 J
Total Dissolved Solids	STL00242	mg/L								--	300	250	380
Total Hardness	STL00009	mg/L								--	270	320	240
Total Suspended Solids	STL00161	mg/L								--	1200	5700	600

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJ4C	SJBB	SJBB
										Sample ID	SJ4C-081515-11	SJBB-080915-11	SJBB-081015-11
										Date	8/15/2015	8/9/2015	8/10/2015
										Sample Time	12:00	18:25	12:40
										Latitude	36.99622	37.25737	37.25737
Longitude	-109.00468	-109.61859	-109.61859										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	470	< 24 U	200
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.1	1.1	0.8 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	80	74	77
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	54000	57000	57000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 0.5 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 0.5 U	0.13 J	0.42
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	2.9	2.3	2.5 J+
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	220	< 17 U	88
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.5 U	< 0.06 U	0.29 J
Magnesium, Dissolved	7439-95-4	ug/L								--	7600 J-	8000	7900
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	8.9	< 1.2 U	2.8
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.6 J	2.1	2.1 J-
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1 J	1.2	1.1
Potassium, Dissolved	7440-09-7	ug/L								--	2500	3400	3100
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.77 J	0.86 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	26000 J-	31000	27000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.6	2.8	1.7
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	2.6 J	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	22000	53000	42000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	5	9.2	13
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	270	720	610
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.92	3.1	2.4
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.25 J	0.12 J	0.27
Calcium, Total	7440-70-2	ug/L								--	76000	130000	100000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	7.8	27	25
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	7	22	18

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	23	51	56 B
Iron, Total	7439-89-6	ug/L	120000		120000					--	18000	43000	39000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	18	40	120
Magnesium, Total	7439-95-4	ug/L								--	14000	26000	21000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	370	1200	950
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.3 J	1.5 J-	2.3 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	10	32	26
Potassium, Total	7440-09-7	ug/L								--	6300	13000	11000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1 J	< 0.58 U	3.9 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	0.2 J	0.86 J
Sodium, Total	7440-23-5	ug/L								--	31000	35000	29000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	0.57	0.48
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	25	68	63
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	68	150 J-	160
General													
Alkalinity	STL00171	mg/L								--	110	110	94
pH	STL00204	SU								--	8.25 J	8.1 J	8.2 J
Total Dissolved Solids	STL00242	mg/L								--	310	310	380
Total Hardness	STL00009	mg/L								--	250	430	340
Total Suspended Solids	STL00161	mg/L								--	640	430	2300

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJBB	SJBB	SJBB
										Sample ID	SJBB-081115-11	SJBB-081215-11	SJBB-081315-11
										Date	8/11/2015	8/12/2015	8/13/2015
										Sample Time	11:30	11:45	10:50
										Latitude	37.25737	37.25737	37.25737
Longitude	-109.61859	-109.61859	-109.61859										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	1600	< 24 U	3300 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.2	0.72 J	1.2
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	70	68	120 J
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	0.23 J
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	46000	52000	67000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	2.2
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.87	0.13 J	1.4 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	3.2	3.4	5.3 J
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	840	< 17 U	1800 J
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.67	< 0.06 U	2.9 J
Magnesium, Dissolved	7439-95-4	ug/L								--	5600	7000	9700
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	13	1.2 J	100 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.9	1.9 J	1.5
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.4	1.7	3.6 J
Potassium, Dissolved	7440-09-7	ug/L								--	3400	3300	4300
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.3 J	0.82 J	1.9 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	37000	36000	36000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	3.7	2.2	7.1 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	4.9 J	< 2.8 U	13 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	110000	110000	89000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	21	21	17 J
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	1000	890	1100 J
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	6.3	5.6	4.3 J
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.33	0.6	0.35 J
Calcium, Total	7440-70-2	ug/L								--	99000	100000	200000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	50	52	49 J
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	42	37	33 J

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	100	86	66 J
Iron, Total	7439-89-6	ug/L	120000		120000					--	85000	85000	70000 J
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	82	78	64 J
Magnesium, Total	7439-95-4	ug/L								--	27000	29000	44000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	1800	1700	1900 J
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.12 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1	1.7 J	2.7
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	49	45	53 J
Potassium, Total	7440-09-7	ug/L								--	17000	18000	22000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.8	3.8	5.5 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.51 J	0.42 J	0.27 J
Sodium, Total	7440-23-5	ug/L								--	40000	39000	37000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	1	1	0.94 J
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	120	140	120
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	250	210	220 J
General													
Alkalinity	STL00171	mg/L								--	97	100	110
pH	STL00204	SU								--	8.23 J	8.21 J	8.21 J
Total Dissolved Solids	STL00242	mg/L								--	330	300	280
Total Hardness	STL00009	mg/L								--	360	380	690
Total Suspended Solids	STL00161	mg/L								--	5100	3800	3300

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJBB	SJBB	SJBB
										Sample ID	SJBB-081315-12	SJBB-081415-11	SJBB-081515-11
										Date	8/13/2015	8/14/2015	8/15/2015
										Sample Time	11:00	11:50	12:50
										Latitude	37.25737	37.25737	37.25737
										Longitude	-109.61859	-109.61859	-109.61859
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 UJ	13000	390
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 1 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.2	3.7	1.4 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	86 J	250	100
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	1.1	< 0.5 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.5 U	< 0.5 U
Calcium, Dissolved	7440-70-2	ug/L								--	59000	68000	55000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	5.4	1.1 J
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.2 J	5.7	< 1 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	3.4 J	17	3.8 J
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 UJ	6000	190
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 UJ	11	1.2 J
Magnesium, Dissolved	7439-95-4	ug/L								--	8500	11000	7800
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	14 J	330	26
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.1 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.9	1.3 J	2 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	2.1 J	7.8	1.8 J
Potassium, Dissolved	7440-09-7	ug/L								--	3500	5300	3400
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.5 J	1.3 J	1.1 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--	36000	50000	44000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 1 U	< 1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.1 J	21	5.3
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	36 J	5.2 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	110000	120000	64000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 1 U	< 1 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	24 J	23	14
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	1500 J	1800	850
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	6.7 J	6.5	3.4
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.59 J	1.1 J	0.6 J
Calcium, Total	7440-70-2	ug/L								--	260000	170000	110000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	69 J	39	25
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	48 J	49	24

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	95 J	130	67
Iron, Total	7439-89-6	ug/L	120000		120000					--	99000 J	120000	57000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	90 J	120	60
Magnesium, Total	7439-95-4	ug/L								--	56000	45000	25000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	2900 J	2300	1200
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	0.26	0.15 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	3.3	1.4 J	1.3 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	77 J	55	30
Potassium, Total	7440-09-7	ug/L								--	28000	18000 J+	13000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	6.4 J+	3.6 J	2.6 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.5 J	< 1 U	< 1 U
Sodium, Total	7440-23-5	ug/L								--	39000	58000	52000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	1.4 J	< 1 U	< 1 UJ
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	160	110	73
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	310 J	410	200
General													
Alkalinity	STL00171	mg/L								--	100	110	110
pH	STL00204	SU								--	8.11 J	8.19 J	8.25 J
Total Dissolved Solids	STL00242	mg/L								--	280	390	390
Total Hardness	STL00009	mg/L								--	880	230	130
Total Suspended Solids	STL00161	mg/L								--	3300	9700	4100

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJCH	SJCH	SJDS
										Sample ID	SJCH-081415-11	SJCH-081415-12	SJDS-080915-11
										Date	8/14/2015	8/14/2015	8/9/2015
										Sample Time	6:00	6:00	13:15
										Latitude	37.29334	37.29334	36.89331
										Longitude	-110.39929	-110.39929	-108.87864
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	1000 J	440 J	1400
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 1 U	< 1 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	2.2	1.8 J	0.81 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	120	110	80
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.5 U	< 0.5 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.5 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	46000	47000	54000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 1 U	< 1 U	0.54
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	3.2 J	3.1 J	3.5
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	510 J	210 J	1000
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 1 U	< 1 U	3.5
Magnesium, Dissolved	7439-95-4	ug/L								--	6800	6900	6800
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	11	4.5	32
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.1 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	3 J	2.8 J	1.7
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.3 J	< 1 U	1.5
Potassium, Dissolved	7440-09-7	ug/L								--	3400	3400	2800
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 1 U	< 1 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	40000	41000	24000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 1 U	< 1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	5	4.1	2.8
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 5 U	< 5 U	7 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	67000	65000	31000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 1 UJ	< 1 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	21	21	9.4
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	1800	2000	490
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	5.4	5.6	1.8
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.89 J	0.99 J	0.12 J
Calcium, Total	7440-70-2	ug/L								--	290000	270000	72000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	35 J-	33 J-	18
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	31 J-	34 J-	13

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	71 J-	75 J-	44
Iron, Total	7439-89-6	ug/L	120000		120000					--	48000	46000	31000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	81	91	96
Magnesium, Total	7439-95-4	ug/L								--	47000	46000	14000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	2000	2400	700
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.25	0.21	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	2.1 J-	1.2 J-	1.7 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	50 J-	53 J-	17
Potassium, Total	7440-09-7	ug/L								--	14000 J+	13000 J+	8100
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.3 J-	2.6 J-	1.1 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 1 U	0.67 J
Sodium, Total	7440-23-5	ug/L								--	45000	41000	26000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 1 UJ	< 1 UJ	0.35
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	91 J-	85 J-	43
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	230 J-	240 J-	130 J-
General													
Alkalinity	STL00171	mg/L								--	190	190	92
pH	STL00204	SU								--	8.12 J	8.14 J	8.07 J
Total Dissolved Solids	STL00242	mg/L								--	350	340	160
Total Hardness	STL00009	mg/L								--	920	860	240
Total Suspended Solids	STL00161	mg/L								--	15000 J	9100 J	2100

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJDS	SJDS	SJDS
										Sample ID	SJDS-081015-11	SJDS-081115-11	SJDS-081215-11
										Date	8/10/2015	8/11/2015	8/12/2015
										Sample Time	13:25	11:40	11:50
										Latitude	36.89331	36.89331	36.89331
Longitude	-108.87864	-108.87864	-108.87864										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	29 J	69 J	24 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.51 J	0.97 J	0.52 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	64	71	73
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	47000	53000	56000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.33 J	2.1	2.7
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	2.4 J+	2.5	2.2
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	34 J	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.06 J	0.086 J	0.063 J
Magnesium, Dissolved	7439-95-4	ug/L								--	5500	7000	7100
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	1.7 J	5	6.1
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.8 J-	2 J	1.7 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.2	1.3	1.4
Potassium, Dissolved	7440-09-7	ug/L								--	3000	3100	2800
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	0.97 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	34000	36000	29000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.5	1.8	1.6
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	79000	64000	51000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	15	12	9.2
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	810	620	440
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	4.5	3.6	2.9
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.31	0.29	0.27
Calcium, Total	7440-70-2	ug/L								--	81000	81000	79000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	39	32	25
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	29	24	18

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	74 B	59	42
Iron, Total	7439-89-6	ug/L	120000		120000					--	67000	53000	39000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	69	58	38
Magnesium, Total	7439-95-4	ug/L								--	22000	21000	17000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	1300	1000	810
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.1 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.2 J-	1.2 J	1.5 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	38	30	20
Potassium, Total	7440-09-7	ug/L								--	15000	13000	10000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.3 J+	3.4	2.5
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.44 J	0.32 J	0.18 J
Sodium, Total	7440-23-5	ug/L								--	38000	39000	30000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.74	0.63	0.47
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	98	82	69 F1
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	210	160	110 F1
General													
Alkalinity	STL00171	mg/L								--	93	100	98
pH	STL00204	SU								--	8.17 J	8.28 J	8.19 J
Total Dissolved Solids	STL00242	mg/L								--	340	340	300
Total Hardness	STL00009	mg/L								--	290	290	270
Total Suspended Solids	STL00161	mg/L								--	4300	2600	2000

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJDS	SJDS	SJDS
										Sample ID	SJDS-081315-11	SJDS-081315-12	SJDS-081415-11
										Date	8/13/2015	8/13/2015	8/14/2015
										Sample Time	12:36	12:59	10:45
										Latitude	36.89331	36.89331	36.89331
Longitude	-108.87864	-108.87864	-108.87864										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	82000	79000	5400
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	13	13	1.7
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	620	600	100
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	3.8	3.7	< 0.25 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.27 J+	0.25 J+	< 0.25 U
Calcium, Dissolved	7440-70-2	ug/L								--	92000	90000	54000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	39	39	2.1
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	26	25	1.4
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	68	71	5.7
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	67000	65000	2500
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	48	47	3
Magnesium, Dissolved	7439-95-4	ug/L								--	22000	22000	7500
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	950	930	62
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	3	2.9	1.5 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	35	34	2.3
Potassium, Dissolved	7440-09-7	ug/L								--	15000	15000	3800
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.3 ^	4.1 ^	0.73 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	0.21 J	0.26 J	< 0.5 U
Sodium, Dissolved	7440-23-5	ug/L								--	63000	62000	33000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	0.86	0.84	< 0.5 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	110	110	7.6
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	180	180	14 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	170000	180000	44000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	33	31	9.4
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	1400	1400	540
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	8.9	8.8	2.1
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.49	0.49	0.37 J
Calcium, Total	7440-70-2	ug/L								--	140000	140000	84000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	85	85	15
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	59	57	15

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	160	150	41
Iron, Total	7439-89-6	ug/L	120000		120000					--	150000	150000	41000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	110	110	40
Magnesium, Total	7439-95-4	ug/L								--	43000	42000	18000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	2400	2300	710
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	0.15 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	3.3	3.6	0.97 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	80	77	18
Potassium, Total	7440-09-7	ug/L								--	27000	27000	9500 J+
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	7.5 J+	6.9 J+	1.6 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.53 J	0.5 J	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	63000	63000	38000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	1.9	1.9	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	230	230	48
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	410	390	130
General													
Alkalinity	STL00171	mg/L								--	97	100	110
pH	STL00204	SU								--	8.17 J	8.17 J	8.23 J
Total Dissolved Solids	STL00242	mg/L								--	330	350	360
Total Hardness	STL00009	mg/L								--	540	530	280
Total Suspended Solids	STL00161	mg/L								--	6500	6900	1900

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJDS	SJFP	SJFP
										Sample ID	SJDS-081515-11	SJFP-080815-11	SJFP-080915-11
										Date	8/15/2015	8/8/2015	8/9/2015
										Sample Time	10:20	18:40	10:15
										Latitude	36.89331	36.74816	36.74816
Longitude	-108.87864	-108.41202	-108.41202										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	570	< 200 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 1 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.1	< 1 U	0.41 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	78	66	68
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	< 0.4 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.1 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	52000	50000	50000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 0.5 U	< 2 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 0.5 U	0.13 J	0.12 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	3.4	1.5	1.5
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	260	< 50 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.5 U	< 0.3 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	7100 J-	6400	6500
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	8.4	4.6	4.1
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.2 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.7 J	1.7	1.5
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1 J	1.2	1.2
Potassium, Dissolved	7440-09-7	ug/L								--	2500		2300
Potassium, Dissolved	9/7/7440	ug/L								--		2400	
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.51 J	< 2 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	30000 J-	20000	20000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.2 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.4	< 1 U	0.81 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	3.4 J	< 20 UJ	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	38000	22000	25000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.5 U	0.59 J-	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	9.1	11	5.1
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	480	260	340
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.9	0.97	1.4
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.38 J	0.39	< 0.086 U
Calcium, Total	7440-70-2	ug/L								--	84000	60000	64000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	15	9.9	17
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	13	6.1	10

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	34	46	32
Iron, Total	7439-89-6	ug/L	120000		120000					--	36000	25000	22000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	36	200	47
Magnesium, Total	7439-95-4	ug/L								--	18000	10000	13000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	600	380	500
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.11 J	< 0.2 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.2 J	3.2	1.4 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	18	8.9	15
Potassium, Total	7440-09-7	ug/L								--	8600		7300
Potassium, Total	9/7/7440	ug/L								--		7000	
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.5 J	0.98 J	0.92 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	1.4	0.31 J
Sodium, Total	7440-23-5	ug/L								--	36000	22000	22000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	0.23	0.26
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	44	27	31
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	160	130 J-	94 J-
General													
Alkalinity	STL00171	mg/L								--	110	84	93
pH	STL00204	SU								--	8.24 J	8.06 HF	8.03 J
Total Dissolved Solids	STL00242	mg/L								--	340	290	240
Total Hardness	STL00009	mg/L								--	280	190	210
Total Suspended Solids	STL00161	mg/L								--	1900	680	1100

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJFP	SJFP	SJFP
										Sample ID	SJFP-081015-11	SJFP-081115-11	SJFP-081215-11
										Date	8/10/2015	8/11/2015	8/12/2015
										Sample Time	10:35	13:45	9:45
										Latitude	36.74816	36.74816	36.74816
Longitude	-108.41202	-108.41202	-108.41202										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	1.3 J-	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.7 J	0.56 J	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	68	74	73
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	50000	56000	58000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.24 J	1.4	1.7
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.5 J+	1.8	1.5
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 U	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	6700	7400	8300
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	7.3	18	5.3
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.3 J-	1.3	1.3
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1	1.1	1.4
Potassium, Dissolved	7440-09-7	ug/L								--	2300	2400	2300
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	19000	20000	22000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	0.99 J	1	0.97 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	10000	9200	5400 J
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	4.3	3	1.7
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	170	270	120
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.6	0.57	0.29 J
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--	56000	61000	60000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	8	5.6	3.8
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	3.9	4.4	2 J

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	13 B	12	6.5 J
Iron, Total	7439-89-6	ug/L	120000		120000					--	8700	8300	4400
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	18	16	7.5
Magnesium, Total	7439-95-4	ug/L								--	9000	9400	9300
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	210	270	120
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.5 J-	1.4	1.4
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	6.2	6.2	3
Potassium, Total	7440-09-7	ug/L								--	4400	4500	3400
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	2.3 J+	1 J	1.2 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.13 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	19000	20000	22000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.12 J	0.11 J	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	16	15	10 J
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	38	42	20
General													
Alkalinity	STL00171	mg/L								--	98	92	99
pH	STL00204	SU								--	8.19 J	8.27 J	8.18 J
Total Dissolved Solids	STL00242	mg/L								--	270	300	270
Total Hardness	STL00009	mg/L								--	180	190	190
Total Suspended Solids	STL00161	mg/L								--	840	640	160

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJFP	SJFP	SJFP
										Sample ID	SJFP-081215-12	SJFP-081315-11	SJFP-081415-11
										Date	8/12/2015	8/13/2015	8/14/2015
										Sample Time	9:45	9:46	15:43
										Latitude	36.74816	36.74816	36.74816
Longitude	-108.41202	-108.41202	-108.41202										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 U	310	< 25 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.61 J	0.6 J	0.93 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	74	81	72
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.25 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.25 U
Calcium, Dissolved	7440-70-2	ug/L								--	59000	55000	45000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 0.5 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	1.8 J	0.27 J	< 0.5 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.6	2.4	2.1
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	210	< 10 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 U	0.6	< 0.5 U
Magnesium, Dissolved	7439-95-4	ug/L								--	8400	8000	7400 J-
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	5.2	21	16
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.4 J	1.3	1.3 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.2	1.6	0.73 J
Potassium, Dissolved	7440-09-7	ug/L								--	2400	2500	1900
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.65 J	1.1 J	0.54 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.5 U
Sodium, Dissolved	7440-23-5	ug/L								--	22000	23000	20000 J-
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.5 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1	1.2	1 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	5 J	< 2.5 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	1500 J	3300	3300
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.5 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	< 0.37 U	1.5	1.6
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	110	110	100
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.21 J	0.17 J	< 0.25 U
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U L	< 0.043 U	< 0.25 U
Calcium, Total	7440-70-2	ug/L								--	61000	59000	60000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	1.3 J	2.1	1.5 J
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	1.1 J	1.1	0.89 J

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	4.5 J	4.5	4.4
Iron, Total	7439-89-6	ug/L	120000		120000					--	1000	2600	2200
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	3.5	4.7	4.6
Magnesium, Total	7439-95-4	ug/L								--	8800	8800	9100
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	110	79	79
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1 J	1.4	1.4 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	2	2.4	1.4 J
Potassium, Total	7440-09-7	ug/L								--	2600	3200	2900
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	2.6	2.2 J+	0.51 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	23000	25000	24000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	3.4 J	5.3	4.8
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	12 J	13 J	15 J
General													
Alkalinity	STL00171	mg/L								--	98	98	100
pH	STL00204	SU								--	8.19 J	8.17 J	8.29 J
Total Dissolved Solids	STL00242	mg/L								--	280	210	270
Total Hardness	STL00009	mg/L								--	190	180	190
Total Suspended Solids	STL00161	mg/L								--	160	150	86

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJFP	SJHB	SJHB
										Sample ID	SJFP-081515-11	10-25.20150807.RS	SJHB-080815-11
										Date	8/15/2015	8/7/2015	8/8/2015
										Sample Time	10:30	11:30	19:10
										Latitude	36.74816	36.74519	36.74519
Longitude	-108.41202	-108.53776	-108.53776										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	< 200 U	< 200 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 1 UJ	< 1 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.82 J	0.56 J	< 1 U
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	75	68	67
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	< 0.4 U	< 0.4 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.1 U	< 0.1 U
Calcium, Dissolved	7440-70-2	ug/L								--	51000	56000	54000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 0.5 U	< 2 U	< 2 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 0.5 U	0.96	< 0.4 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.9 J	1.2	1.7
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	< 50 U	< 50 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.5 U	0.093 J	< 0.3 U
Magnesium, Dissolved	7439-95-4	ug/L								--	7300 J-	7300	6900
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	4	3.3	1.2 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.2 U	< 0.2 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.4 J	1.5	1.8
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 0.5 U	1	1.1
Potassium, Dissolved	7440-09-7	ug/L								--	2000		
Potassium, Dissolved	9/7/7440	ug/L								--		2500	2500
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.5 U	< 2 U	< 2 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--	20000 J-	23000	22000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.2 U	< 0.2 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1 J	1.3	0.34 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.5 U	< 20 UJ	< 20 UJ
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	3300	21000	30000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 1 UJ	0.51 J-
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	1.3	3.7	14
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	97	330	570
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	0.93	1.8
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	0.2	0.51
Calcium, Total	7440-70-2	ug/L								--	59000	68000	77000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	1.4 J	11	16
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	0.76 J	7.4	13

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	3.6	17	61
Iron, Total	7439-89-6	ug/L	120000		120000					--	2000	16000	36000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	3.1	15	250
Magnesium, Total	7439-95-4	ug/L								--	9100	12000	13000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	59	390	940
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.2 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.5 J	1.5	3
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.3 J	10	16
Potassium, Total	7440-09-7	ug/L								--	3100		
Potassium, Total	9/7/7440	ug/L								--		6600	8700
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.52 J	0.74 J	1.5 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 1 U	1.6
Sodium, Total	7440-23-5	ug/L								--	24000	25000	23000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	0.18 J	0.35
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	4.7	25	41
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	13 J	57 J-	170 J-
General													
Alkalinity	STL00171	mg/L								--	100	110	82
pH	STL00204	SU								--	8.29 J	8.18 HF	7.99 HF
Total Dissolved Solids	STL00242	mg/L								--	270	290	290
Total Hardness	STL00009	mg/L								--	180	220	250
Total Suspended Solids	STL00161	mg/L								--	70	1700	2900

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJHB	SJHB	SJHB
										Sample ID	SJHB-080915-11	SJHB-081015-11	SJHB-081015-12
										Date	8/9/2015	8/10/2015	8/10/2015
										Sample Time	11:31	11:25	11:25
										Latitude	36.74519	36.74519	36.74519
										Longitude	-108.53776	-108.53776	-108.53776
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	330	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.39 J	0.67 J	0.99 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	70	69	67
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	52000	51000	50000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.2 J	0.35 J	0.16 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.8	2.1 J+	1.4 J+
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	220	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.36	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	6800	6800	6700
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	6.1	2.7	2.1 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.5 J	1.3 J-	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.1	0.98 J	1.2
Potassium, Dissolved	7440-09-7	ug/L								--	2500	2300	2300
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.7 J	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	22000	19000	18000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.3	0.96 J	0.89 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	35000	13000	13000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	6.2	3.8	3.7
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	520	260	240
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	2.4	0.89	0.78
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.086 U	0.056 J	0.054 J
Calcium, Total	7440-70-2	ug/L								--	81000	60000	57000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	22	9.7	10
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	17	6.2	5.4

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	42	16 B	16 B
Iron, Total	7439-89-6	ug/L	120000		120000					--	31000	11000	11000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	57	22	22
Magnesium, Total	7439-95-4	ug/L								--	16000	9600	9500
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	990	400 J	290 J
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.1 J-	1.5 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	22	8.5	8.1
Potassium, Total	7440-09-7	ug/L								--	9200	5000	5100
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	2.3 J+	2 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.38 J	0.14 J	0.15 J
Sodium, Total	7440-23-5	ug/L								--	24000	19000	19000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.38	0.15 J	0.15 J
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	42	21	20
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	130 J-	55	51
General													
Alkalinity	STL00171	mg/L								--	94	90	90
pH	STL00204	SU								--	8.12 J	8.15 J	8.16 J
Total Dissolved Solids	STL00242	mg/L								--	310	260	260
Total Hardness	STL00009	mg/L								--	270	190	180
Total Suspended Solids	STL00161	mg/L								--	2200	880	1000

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJHB	SJHB	SJHB
										Sample ID	SJHB-081115-11	SJHB-081215-11	SJHB-081315-11
										Date	8/11/2015	8/12/2015	8/13/2015
										Sample Time	13:05	15:30	10:37
										Latitude	36.74519	36.74519	36.74519
										Longitude	-108.53776	-108.53776	-108.53776
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	1800	1100	160 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	0.4 J	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.9	0.63 J	0.58 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	160	86	78
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	40000	61000	56000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	1.2 J	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	1.4	0.55	0.28 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	3.4	5.7	2.4
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	840	710	120
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.56	1.1	0.25 J
Magnesium, Dissolved	7439-95-4	ug/L								--	6800	8700	8100
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	16	27	6.8
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	2.6 J	1.4	1.4
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.8	2.2	1.6
Potassium, Dissolved	7440-09-7	ug/L								--	4200	2700	2600
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	< 0.58 U	1.3 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	52000	27000	24000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	11	2.9	1
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	6.9 J	5.2 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	270000	27000	5200
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	26	4.6	1.5
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	2600 J	330	140
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	12	1.4	0.34 J
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.45	0.056 J	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--	280000	71000	61000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	150	16	3.6
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	73	9.4	2.4

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	110	24	7.2
Iron, Total	7439-89-6	ug/L	120000		120000					--	140000	22000	4200
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	130	22	10
Magnesium, Total	7439-95-4	ug/L								--	94000	14000	9300
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	3400	440	220
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.2	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	2 J	1.7	1.4
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	140	12	3.5
Potassium, Total	7440-09-7	ug/L								--	73000	6500	3600
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	6	2.3	2.6 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.63 J	0.15 J	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	65000	27000	24000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	1.8	0.24	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	230	38	10
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	340	67	27
General													
Alkalinity	STL00171	mg/L								--	110	100	110
pH	STL00204	SU								--	8.3 J	8.19 J	8.15 J
Total Dissolved Solids	STL00242	mg/L								--	350	280	200
Total Hardness	STL00009	mg/L								--	1100	240	190
Total Suspended Solids	STL00161	mg/L								--	6300	960	420

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location		SJHB	SJHB	SJLP
										Sample ID		SJHB-081415-11	SJHB-081515-11	SJLP-080815-11
										Date		8/14/2015	8/15/2015	8/8/2015
										Sample Time		16:49	11:55	15:32
										Latitude		36.74519	36.74519	36.73589
Longitude		-108.53776	-108.53776	-108.25399										
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	< 25 U	< 200 U	
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 0.5 U	< 1 UJ	
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.82 J	0.96 J	< 1 U	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	75	78	61	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	< 0.25 U	< 0.4 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.25 U	< 0.1 U	
Calcium, Dissolved	7440-70-2	ug/L								--	46000	52000	47000	
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 0.5 U	< 0.5 U	< 2 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 0.5 U	< 0.5 U	0.12 J	
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.7 J	2.3	1.5	
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	15 J	18 J	
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.5 U	< 0.5 U	0.094 J	
Magnesium, Dissolved	7439-95-4	ug/L								--	7500 J-	7400 J-	6100	
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	3.6	4.8	5.8	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.1 U	< 0.2 U	
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.3 J	1.5 J	1.6	
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 0.5 U	0.71 J	1.1	
Potassium, Dissolved	7440-09-7	ug/L								--	2000	2000		
Potassium, Dissolved	9/7/7440	ug/L								--			2400	
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.55 J	< 0.5 U	< 2 U	
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 0.5 U	< 1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	20000 J-	20000 J-	19000	
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.5 U	< 0.2 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1 J	1.1 J	0.35 J	
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.5 U	< 2.5 U	< 20 UJ	
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	5400	5800	28000	
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.5 U	< 0.5 U	< 1 UJ	
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	1.9	2.1	11	
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	140	150	490	
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.27 J	0.28 J	1.4	
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.25 U	0.35	
Calcium, Total	7440-70-2	ug/L								--	67000	68000	64000	
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	2.4	2.8	14	
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	2.1	2	9.9	

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	7.1	6.8	42
Iron, Total	7439-89-6	ug/L	120000		120000					--	4400	4400	29000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	8.8	8.1	150
Magnesium, Total	7439-95-4	ug/L								--	10000	11000	12000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	200	180	570
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.1 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.3 J	2.1	2.4
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	2.6	2.7	13
Potassium, Total	7440-09-7	ug/L								--	3600	3900	
Potassium, Total	9/7/7440	ug/L								--			8100
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.62 J	0.68 J	0.74 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 0.5 U	0.96 J
Sodium, Total	7440-23-5	ug/L								--	25000	27000	21000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.5 U	0.3
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	7.7	8.1	34
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	28	27	130 J-
General													
Alkalinity	STL00171	mg/L								--	110	100	86
pH	STL00204	SU								--	8.25 J	8.25 J	8.05 HF
Total Dissolved Solids	STL00242	mg/L								--	290	290	250
Total Hardness	STL00009	mg/L								--	210	220	210
Total Suspended Solids	STL00161	mg/L								--	450	370	1300

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJLP	SJLP	SJLP
										Sample ID	SJLP-080915-11	SJLP-081015-11	SJLP-081115-11
										Date	8/9/2015	8/10/2015	8/11/2015
										Sample Time	9:54	9:40	14:25
										Latitude	36.73589	36.73589	36.73589
										Longitude	-108.25399	-108.25399	-108.25399
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 U	< 24 U	32 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.42 J	0.56 J	0.96 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	72	70	67
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	51000	50000	50000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 0.12 U	0.52	2
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.7	1.3 J+	2.3
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 U	< 0.06 U	0.064 J
Magnesium, Dissolved	7439-95-4	ug/L								--	6600	6500	6600
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	5.1	9.7	3.6
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.4	1.3 J-	2 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.2	1.1	1.4
Potassium, Dissolved	7440-09-7	ug/L								--	2400	2300	3100
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.87 J	< 0.58 U	0.85 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	19000	17000	35000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	0.84 J	0.92 J	1.9
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	25000	12000	97000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	6.3	3.6	19
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	520	260	890
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.8	0.7	5.5
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.19	0.14	0.23
Calcium, Total	7440-70-2	ug/L								--	72000	56000	98000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	16	8.3	47
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	13	5.2	36

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	33	15 B	85
Iron, Total	7439-89-6	ug/L	120000		120000					--	24000	11000	75000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	48	21	76
Magnesium, Total	7439-95-4	ug/L								--	13000	9300	28000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	830	270	1600
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.3 J-	1.4 J-	1.4 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	17	7.7	43
Potassium, Total	7440-09-7	ug/L								--	7600	4900	18000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	< 0.58 U	3.9
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.3 J	0.13 J	0.44 J
Sodium, Total	7440-23-5	ug/L								--	20000	18000	39000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.28	0.14 J	0.95
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	34	19	120
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	110 J-	50	230
General													
Alkalinity	STL00171	mg/L								--	92	88	110
pH	STL00204	SU								--	8.1 J	8.18 J	8.28 J
Total Dissolved Solids	STL00242	mg/L								--	280	260	330
Total Hardness	STL00009	mg/L								--	230	180	360
Total Suspended Solids	STL00161	mg/L								--	1600	1400	3700

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJLP	SJLP	SJLP
										Sample ID	SJLP-081215-11	SJLP-081315-11	SJLP-081415-11
										Date	8/12/2015	8/13/2015	8/14/2015
										Sample Time	9:03	9:20	14:45
										Latitude	36.73589	36.73589	36.73589
										Longitude	-108.25399	-108.25399	-108.25399
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 U	45 J	< 25 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.5 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.51 J	0.53 J	0.86 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	74	77	70
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.25 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.25 U
Calcium, Dissolved	7440-70-2	ug/L								--	56000	54000	47000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 0.5 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	2	0.17 J	< 0.5 U
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.6	2.9	1.9 J
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	30 J	< 10 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 U	0.098 J	< 0.5 U
Magnesium, Dissolved	7439-95-4	ug/L								--	7400	7600	7500 J-
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	6.2	7.2	4.2
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.4	1.3	1.3 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.1	1.8	0.57 J
Potassium, Dissolved	7440-09-7	ug/L								--	2400	2400	2000
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	1.3 J	< 0.5 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.5 U
Sodium, Dissolved	7440-23-5	ug/L								--	23000	22000	19000 J-
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.5 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	0.89 J	0.83 J	< 1 U
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	3.2 J	< 2.5 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	27000	4300	5400
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.5 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	3.9	2	1.9
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	280	160	140
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.5	0.32 J	< 0.25 U
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	0.058 J	< 0.25 U
Calcium, Total	7440-70-2	ug/L								--	65000	61000	63000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	16	2.7	2.4
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	8.7	2.4	1.8

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	22	7.2	6.3
Iron, Total	7439-89-6	ug/L	120000		120000					--	22000	3800	4400
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	20	10	7.9
Magnesium, Total	7439-95-4	ug/L								--	13000	8700	9500
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	360	240	160
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.6	1.2	1.6 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	11	3.4	2.5
Potassium, Total	7440-09-7	ug/L								--	6200	3400	3400
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.5 J	3 J+	0.51 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.11 J	< 0.1 U	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	24000	22000	23000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.22	< 0.1 U	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	36	7.8	7.4
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	60	30	28
General													
Alkalinity	STL00171	mg/L								--	95	97	100
pH	STL00204	SU								--	8.22 J	8.2 J	8.29 J
Total Dissolved Solids	STL00242	mg/L								--	270	180	280
Total Hardness	STL00009	mg/L								--	220	190	200
Total Suspended Solids	STL00161	mg/L								--	840	290	410

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJLP	SJMC	SJMC
										Sample ID	SJLP-081515-11	SJMC-080915-11	SJMC-081015-11
										Date	8/15/2015	8/9/2015	8/10/2015
										Sample Time	9:15	17:50	13:35
										Latitude	36.73589	37.25823	37.25823
										Longitude	-108.25399	-109.31060	-109.31060
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000	--	--	< 25 U	28 J	< 24 UJ
Antimony, Dissolved	7440-36-0	ug/L	6	6	67				--	--	< 0.5 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.9 J	0.86 J	0.88 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000				--	--	74	77	73
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.25 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L							--	--	49000	57000	54000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 0.5 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 0.5 U	0.13 J	0.12 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.5 J	2	2.5 J+
Iron, Dissolved	7439-89-6	ug/L	120000		120000				--	--	< 10 U	< 17 U	< 17 UJ
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.5 U	< 0.06 U	< 0.06 UJ
Magnesium, Dissolved	7439-95-4	ug/L							--	--	6600 J-	8200	7400
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200	--	--	2.4	1.2 J	< 1.2 UJ
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830				--	--	1.4 J	2.1	2 J-
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 0.5 U	1.5	1.2
Potassium, Dissolved	7440-09-7	ug/L							--	--	1900	3000	2900
Potassium, Dissolved	9/7/7440	ug/L							--	--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.5 U	0.9 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9			--	--	< 0.5 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L							--	--	19000 J-	30000	30000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7				--	--	< 0.5 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	< 1 U	2.6	1.8 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.5 U	< 2.8 U	< 2.8 UJ
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000	--	--	5600	46000	69000
Antimony, Total	7440-36-0	ug/L	6	6	67				--	--	< 0.5 U	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	2	8.9	14
Barium, Total	7440-39-3	ug/L	2000	2000	33000				--	--	160	600	730
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.25 J	2.6	3.6
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.25 U	< 0.086 U	0.26
Calcium, Total	7440-70-2	ug/L							--	--	59000	97000	97000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	2.7	25	37
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	1.9	19	25

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	6.4	44	64 B
Iron, Total	7439-89-6	ug/L	120000		120000					--	4300	38000	58000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	7.5	33	76
Magnesium, Total	7439-95-4	ug/L								--	8900	21000	24000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	160	940	1200
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.2 J	1.5 J-	2.1 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	2.6	26	35
Potassium, Total	7440-09-7	ug/L								--	3200	11000	14000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.5 U	0.84 J	4.5 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	0.19 J	0.49 J
Sodium, Total	7440-23-5	ug/L								--	23000	32000	32000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	0.49	0.68
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	7.7	60	92
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	24	130 J-	190
General													
Alkalinity	STL00171	mg/L								--	100	100	97
pH	STL00204	SU								--	8.24 J	8.14 J	8.22 J
Total Dissolved Solids	STL00242	mg/L								--	270	160	360
Total Hardness	STL00009	mg/L								--	180	330	340
Total Suspended Solids	STL00161	mg/L								--	260	3300	3200

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Location	SJMC	SJMC	SJMC	
										Sample ID	SJMC-081015-12	SJMC-081115-11	SJMC-081215-11
										Date	8/10/2015	8/11/2015	8/12/2015
										Sample Time	13:40	12:20	12:30
										Latitude	37.25823	37.25823	37.25823
Longitude	-109.31060	-109.31060	-109.31060										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	2300 J	< 24 U	< 24 UJ
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.2	1.3	0.49 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	94	86	70
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	58000	180000	55000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	2	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.92	1.4	0.18 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	4.8 J+	2.5	3.2
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	1800 J	< 17 U	< 17 UJ
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	2.8	< 0.06 U	0.064 J
Magnesium, Dissolved	7439-95-4	ug/L								--	8400	75000	7400
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	36	3.7	< 1.2 UJ
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	2.2 J-	3.4	1.8
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	2.4	3.7	1.7
Potassium, Dissolved	7440-09-7	ug/L								--	3500	6000	3200
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	2	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	33000	75000	32000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	6	2.3	2
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	8.1 J	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	59000	10000	80000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	13	4.9	15
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	700	180	650
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	3.6	0.59	4.4
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.34	0.22	0.5
Calcium, Total	7440-70-2	ug/L								--	100000	210000	130000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	33	8	37
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	24	3.9	26

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	64 B	11	62
Iron, Total	7439-89-6	ug/L	120000		120000					--	51000	8400	60000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	77	7.6	59
Magnesium, Total	7439-95-4	ug/L								--	23000	79000	25000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	1200	310	1100
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.6 J-	4.5	2.1
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	33	13	36
Potassium, Total	7440-09-7	ug/L								--	12000	9400	17000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.3 J+	3.3	4
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.52 J	< 0.1 U	0.3 J
Sodium, Total	7440-23-5	ug/L								--	34000	75000	35000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.64	0.26	0.87
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	80	24	99
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	180	36	180
General													
Alkalinity	STL00171	mg/L								--	98	210	95
pH	STL00204	SU								--	8.22 J	8.32 J	8.21 J
Total Dissolved Solids	STL00242	mg/L								--	350	1100	310
Total Hardness	STL00009	mg/L								--	340	840	420
Total Suspended Solids	STL00161	mg/L								--	2800	550	3300

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Arthropods	Location	SJMC	SJMC	SJMC
										Sample ID	SJMC-081215-12	SJMC-081315-11	SJMC-081415-11
										Date	8/12/2015	8/13/2015	8/14/2015
										Sample Time	12:35	13:00	12:30
										Latitude	37.25823	37.25823	37.25823
Longitude	-109.31060	-109.31060	-109.31060										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	560 J	990	10000
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.48 J	0.97 J	3.5
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	75	93	240
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	0.98 J
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.5 U
Calcium, Dissolved	7440-70-2	ug/L								--	56000	60000	72000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	5.6
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.32 J	0.41	5.6
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	3.9	4.3	16
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	310 J	580	4700
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.46 J	0.6	11
Magnesium, Dissolved	7439-95-4	ug/L								--	7600	9300	10000
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	9.2 J	14	300
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.1 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.7	2	1.3 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.7	2.1	6.8
Potassium, Dissolved	7440-09-7	ug/L								--	3300	3700	5400
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	2 ^	1 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--	32000	43000	54000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.9	3	21
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	3.8 J	4.1 J	41
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	77000	96000	95000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 1 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	15	17	20
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	650	830	1200
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	4.4	4.8	5
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.61	0.2	0.85 J
Calcium, Total	7440-70-2	ug/L								--	120000	120000	150000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	37	45	33
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	27	31	35

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	62	73	99
Iron, Total	7439-89-6	ug/L	120000		120000					--	59000	74000	92000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	59	61	90
Magnesium, Total	7439-95-4	ug/L								--	25000	32000	36000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	1100	1400	1600
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	0.23
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.9	2	1.4 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	36	41	45
Potassium, Total	7440-09-7	ug/L								--	16000	17000	17000 J+
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.7	4.9 J+	3.3 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.29 J	0.31 J	< 1 U
Sodium, Total	7440-23-5	ug/L								--	34000	42000	62000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.86	0.82	< 1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	96	120	94
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	180	200	300
General													
Alkalinity	STL00171	mg/L								--	100	100	110
pH	STL00204	SU								--	8.23 J	8.21 J	8.23 J
Total Dissolved Solids	STL00242	mg/L								--	320	280	410
Total Hardness	STL00009	mg/L								--	410	430	190
Total Suspended Solids	STL00161	mg/L								--	2800	3100	5900

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJMC	SJME	SJME
										Sample ID	SJMC-081515-11	SJME-080915-11	SJME-080915-12
										Date	8/15/2015	8/9/2015	8/9/2015
										Sample Time	17:00	16:35	16:35
										Latitude	37.25823	37.21681	37.21681
										Longitude	-109.31060	-109.19615	-109.19615
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	3200 J	5700 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 1 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1 J	1.1	1
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	80	97	120
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.5 U	< 0.15 U	0.26 J
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	55000	59000	61000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	2.5	5
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 1 U	0.87	1.6
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	2.2 J	3.9	5.1
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	2000 J	3500 J
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 1 U	1.5	2.9
Magnesium, Dissolved	7439-95-4	ug/L								--	8400	7800	8500
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	1.5 J	34	67
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.8 J	2.1 J	2 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 1 U	2.2	3.2
Potassium, Dissolved	7440-09-7	ug/L								--	2900	3900	4500
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 1 U	0.98 J	0.84 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	32000	31000	31000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	< 2 U	5.9	9.6
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 5 U	7.1 J	12 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	39000	59000	58000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	8.5	11	10
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	460	860	880
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.7	3.7	3.7
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	0.34	0.33
Calcium, Total	7440-70-2	ug/L								--	89000	130000	130000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	14	28	28
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	12	23	24

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	35	54	55
Iron, Total	7439-89-6	ug/L	120000		120000					--	31000	47000	46000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	31	46	46
Magnesium, Total	7439-95-4	ug/L								--	19000	27000	27000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	630	1200	1300
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.4 J	1.7 J-	1.4 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	18	36	37
Potassium, Total	7440-09-7	ug/L								--	9500	15000	15000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.6 J	< 0.58 U	< 0.58 U
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 1 U	0.26 J	0.27 J
Sodium, Total	7440-23-5	ug/L								--	37000	32000	33000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 1 UJ	0.71	0.68
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	41	70	66
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	130	160 J-	160 J-
General													
Alkalinity	STL00171	mg/L								--	110	96	91
pH	STL00204	SU								--	8.27 J	8.01 J	8.08 J
Total Dissolved Solids	STL00242	mg/L								--	340	340	330
Total Hardness	STL00009	mg/L								--	300	430	440
Total Suspended Solids	STL00161	mg/L								--	1800	3000	2900

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJME	SJME	SJME
										Sample ID	SJME-081015-11	SJME-081115-11	SJME-081115-12
										Date	8/10/2015	8/11/2015	8/11/2015
										Sample Time	14:40	13:30	13:35
										Latitude	37.21681	37.21681	37.21681
										Longitude	-109.19615	-109.19615	-109.19615
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	2200	< 24 UJ	9300 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.3	0.72 J	3.1 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	92	80 J	270 J
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	0.61 J
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	0.047 J	0.051 J
Calcium, Dissolved	7440-70-2	ug/L								--	53000	59000	65000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	1.9 J	< 1 U	6.1 J
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.83	1.3 J	4.7 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	4.5 J+	1.5 J	12 J
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	1600	< 17 UJ	8700 J
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	2.1	< 0.06 UJ	17 J
Magnesium, Dissolved	7439-95-4	ug/L								--	6700	7900	10000 J
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	31	10 J	320 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	2.1 J-	1.4	1.4
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	2.3	1.3 J	6.6 J
Potassium, Dissolved	7440-09-7	ug/L								--	3400	2400 J	4600 J
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	0.77 J	0.97 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	32000	22000	21000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	0.11 J
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	6.2	0.88 J	16 J
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	7.1 J	< 2.8 UJ	42 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	78000	5600 J	< 24 UJ
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	15	1.7	0.99 J
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	830	170 J	81 J
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	4.4	0.31 J	< 0.15 UJ
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.31	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--	96000	62000	60000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	41	4.1	< 1 UJ
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	30	2.3	0.29 J

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	79 B	7.7 J	1.6 J
Iron, Total	7439-89-6	ug/L	120000		120000					--	66000	4800 J	< 17 UJ
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	78	10 J	< 0.06 UJ
Magnesium, Total	7439-95-4	ug/L								--	24000	9100	8200 J
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	1400	130 J	3.4 J
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.096 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.6 J-	1.4	1.4
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	41	3.9 J	1.1 J
Potassium, Total	7440-09-7	ug/L								--	15000	3600 J	2500 J
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.6 J+	2.6	0.94 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.54 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	35000	22000	21000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.78	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	99	9.2	0.88 J
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	220	23 J	< 2.8 UJ
General													
Alkalinity	STL00171	mg/L								--	92	98	98
pH	STL00204	SU								--	8.2 J	8.27 J	8.25 J
Total Dissolved Solids	STL00242	mg/L								--	370	280	290
Total Hardness	STL00009	mg/L								--	340	190	180
Total Suspended Solids	STL00161	mg/L								--	3200	180 J	660 J

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJME	SJME	SJME
										Sample ID	SJME-081215-11	SJME-081315-11	SJME-081415-11
										Date	8/12/2015	8/13/2015	8/14/2015
										Sample Time	13:20	13:40	13:20
										Latitude	37.21681	37.21681	37.21681
										Longitude	-109.19615	-109.19615	-109.19615
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 U	5500	12000
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 1 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.62 J	1.7	3.8
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	72	200	230
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	0.94	0.95 J
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.5 U
Calcium, Dissolved	7440-70-2	ug/L								--	55000	69000	70000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	2.3	6.7
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.17 J	4.1	5.3
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	5.1	12	16
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	3200	5200
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.079 J	8.8	11
Magnesium, Dissolved	7439-95-4	ug/L								--	6300	9400	8900
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	< 1.2 U	310	250
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	0.11 J
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.9	0.93 J	1.9 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.8	5.1	7.2
Potassium, Dissolved	7440-09-7	ug/L								--	3300	4400	5600
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	2.3 ^	1.4 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--	35000	40000	54000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.6	12	23
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	3.3 J	23	38 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	73000	88000	91000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 U	< 1 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	17	16	19
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	630	720	1300
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	4.2	4.3	5
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.67	0.17	0.9 J
Calcium, Total	7440-70-2	ug/L								--	140000	110000	150000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	39	43	34
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	28	28	35

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	60	66	94
Iron, Total	7439-89-6	ug/L	120000		120000					--	60000	69000	89000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	58	56	92
Magnesium, Total	7439-95-4	ug/L								--	24000	27000	34000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	1100	1200	1600
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	0.22
Molybdenum, Total	7439-98-7	ug/L	830		830					--	2.8	2.3	1.3 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	42	37	46
Potassium, Total	7440-09-7	ug/L								--	16000	16000	17000 J+
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.4	4.4 J+	3.1 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.33 J	0.29 J	< 1 U
Sodium, Total	7440-23-5	ug/L								--	37000	42000	66000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.97	0.77	< 1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	97	110	93
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	190	190	290
General													
Alkalinity	STL00171	mg/L								--	95	98	110
pH	STL00204	SU								--	8.18 J	8.18 J	8.19 J
Total Dissolved Solids	STL00242	mg/L								--	340	260	430
Total Hardness	STL00009	mg/L								--	440	380	180
Total Suspended Solids	STL00161	mg/L								--	3000	2800	5800

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Location	SJME	SJMH	SJMH	
										Sample ID	SJME-081515-11	SJMH-080915-11	SJMH-081015-11
										Date	8/15/2015	8/9/2015	8/10/2015
										Sample Time	16:55	19:05	11:35
										Latitude	37.21681	37.14999	37.14999
Longitude	-109.19615	-109.86628	-109.86628										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 25 U	< 24 U	31 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 1 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.1 J	2	1.6
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	76	130	150
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.5 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	50000	56000	51000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	< 1 U	0.31 J	1.7
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.9 J	2.8	2.6 J+
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 10 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 1 U	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	6800	8500	8000
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	1.3 J	< 1.2 U	3.1
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.8 J	2.4 J	2.5 J-
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	< 1 U	1.4	1.5
Potassium, Dissolved	7440-09-7	ug/L								--	2700	4400	3900
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 1 U	0.92 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	28000	44000	43000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	< 2 U	7.9	7.3
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 5 U	< 2.8 U	< 2.8 U
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	37000	180000	210000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 1 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	6.6	21	22
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	360	2300	2200 J
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.4	8.1	10
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.5 U	< 0.22 U	0.62
Calcium, Total	7440-70-2	ug/L								--	79000	480000	360000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	11	70	110
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	9.3	55	59

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	27	87	94 B
Iron, Total	7439-89-6	ug/L	120000		120000					--	27000	85000	110000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	25	85	90
Magnesium, Total	7439-95-4	ug/L								--	16000	95000	83000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	500	3400	3500
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	< 0.08 U	0.12 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	2 J	1.7 J-	2.4 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	14	110	120
Potassium, Total	7440-09-7	ug/L								--	9400	46000	58000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.5 J	5.2 J	4.9 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 1 U	0.39 J	0.46 J
Sodium, Total	7440-23-5	ug/L								--	33000	58000	51000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 1 UJ	1.4	1.6
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	32	160	190
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	87	290 J-	290
General													
Alkalinity	STL00171	mg/L								--	100	110	110
pH	STL00204	SU								--	8.24 J	8.12 J	8.17 J
Total Dissolved Solids	STL00242	mg/L								--	350	260	370
Total Hardness	STL00009	mg/L								--	260	1600	1200
Total Suspended Solids	STL00161	mg/L								--	1500	8200	7400

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Sample Location	SJM	SJM	SJM	
										Sample ID	SJM-081115-11	SJM-081215-11	SJM-081315-11
										Date	8/11/2015	8/12/2015	8/13/2015
										Sample Time	10:35	10:35	12:00
										Latitude	37.14999	37.14999	37.14999
Longitude	-109.86628	-109.86628	-109.86628										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	24 J	< 24 U	95000
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	0.68 J	0.5 J
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.88 J	0.92 J	11
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	65	93	680
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	3.7
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	0.22 J+
Calcium, Dissolved	7440-70-2	ug/L								--	46000	63000	110000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	54
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	2.6	0.63	22
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	2.4	4.3	44
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	< 17 U	56000
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.084 J	0.083 J	39
Magnesium, Dissolved	7439-95-4	ug/L								--	5300	7400	40000
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	4.7	1.7 J	910
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	2	2.1 J	3.6 J
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.3	1.8	42
Potassium, Dissolved	7440-09-7	ug/L								--	3100	3300	26000
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.6 J	0.84 J	4.1 ^
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	0.18 J
Sodium, Dissolved	7440-23-5	ug/L								--	37000	37000	54000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	0.77
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.8	3.2	110
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	3 J	140
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	110000	140000	180000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	22	25	24
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	1000	1200	1600
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	6.4	7.7	8.6
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.29	0.9	0.5
Calcium, Total	7440-70-2	ug/L								--	99000	190000	240000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	51	74	96
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	42	49	51

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	100	100	95
Iron, Total	7439-89-6	ug/L	120000		120000					--	86000	100000	100000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	82	94	89
Magnesium, Total	7439-95-4	ug/L								--	28000	49000	82000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	1800	2300	2300
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.11 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1	1.9 J	3 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	50	69	99
Potassium, Total	7440-09-7	ug/L								--	18000	28000	45000 J
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	4.5	4.6	8.5 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.5 J	0.48 J	0.41 J
Sodium, Total	7440-23-5	ug/L								--	41000	45000	58000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	1	1.3	1.6
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	130	170	190
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	250	270	310
General													
Alkalinity	STL00171	mg/L								--	97	99	99
pH	STL00204	SU								--	8.24 J	8.12 J	8.12 J
Total Dissolved Solids	STL00242	mg/L								--	350	390	360
Total Hardness	STL00009	mg/L								--	360	680	940
Total Suspended Solids	STL00161	mg/L								--	4600	5700	6000

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Aquatic Acute	Location	SJMH	SJMH	SJMH
										Sample ID Date Sample Time Latitude Longitude	SJMH-081415-11	SJMH-081515-11	SJMH-081515-12	
											8/14/2015	8/15/2015	8/15/2015	
											10:15	10:45	10:45	
											37.14999	37.14999	37.14999	
										-109.86628	-109.86628	-109.86628		
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	10000	56	< 25 U	
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 2.5 U	< 1 U	< 1 U	
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	7.8	1.5 J	1.4 J	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	560	130	130	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	2.6	< 0.5 U	< 0.5 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 1.3 U	< 0.5 U	< 0.5 U	
Calcium, Dissolved	7440-70-2	ug/L								--	160000	55000	54000	
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	5.3 J	< 1 U	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	9.7	< 1 U	< 1 U	
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	39	2.7 J	2.6 J	
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	3700	14 J	< 10 U	
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	12	< 1 U	< 1 U	
Magnesium, Dissolved	7439-95-4	ug/L								--	20000 J-	8200	8300	
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	1200	1.4 J	< 1 U	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.19 J	< 0.1 U	< 0.1 U	
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	5 J	3.3 J	2.8 J	
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	13	1.2 J	< 1 U	
Potassium, Dissolved	7440-09-7	ug/L								--	7100	3600	3600	
Potassium, Dissolved	9/7/7440	ug/L								--				
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	2.9 J	1.4 J	1.4 J	
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 2.5 U	< 1 U	< 1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	60000 J-	56000	56000	
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 2.5 U	< 1 U	< 1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	33	3.7 J	3.5 J	
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	42 J	< 5 U	< 5 U	
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	170000	130000	120000	
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 2.5 U	< 1 UJ	< 1 UJ	
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	34	23	23	
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	4000	1800	2000	
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	11	6.3	6.5	
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	1.8 J	1 J	1 J	
Calcium, Total	7440-70-2	ug/L								--	730000	230000	220000	
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	80	41	42	
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	70	41	41	

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	120	100	100
Iron, Total	7439-89-6	ug/L	120000		120000					--	97000	100000	90000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	170	110	110
Magnesium, Total	7439-95-4	ug/L								--	110000	53000	48000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	4600	2100	2200
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.37	0.21	0.26
Molybdenum, Total	7439-98-7	ug/L	830		830					--	< 2.5 U	1.5 J	1.7 J
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	140	59	60
Potassium, Total	7440-09-7	ug/L								--	43000	23000	22000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	6.3 J	3.8 J	3.8 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 2.5 U	< 1 U	< 1 U
Sodium, Total	7440-23-5	ug/L								--	80000	68000	64000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 2.5 U	< 1 UJ	< 1 UJ
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	140	110	110
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	430	330	360
General													
Alkalinity	STL00171	mg/L								--	130	110	110
pH	STL00204	SU								--	8.18 J	8.22 J	8.23 J
Total Dissolved Solids	STL00242	mg/L								--	430	440	450
Total Hardness	STL00009	mg/L								--	230	280	250
Total Suspended Solids	STL00161	mg/L								--	19000	8300	8200

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location		SJSR	SJSR	SJSR
										Sample ID		SJSR-080815-11	SJSR-080915-11	SJSR-081015-11
										Date		8/8/2015	8/9/2015	8/10/2015
										Sample Time		19:34	12:35	12:10
										Latitude		36.78162	36.78162	36.78162
Longitude		-108.69278	-108.69278	-108.69278										
Metals, Dissolved														
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	610	1800	< 24 U	
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 1 UJ	< 0.4 U	< 0.4 UJ	
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.84 J	0.8 J	0.86 J	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	68	81	66	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.4 U	< 0.15 U	< 0.15 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.1 U	< 0.043 U	< 0.043 U	
Calcium, Dissolved	7440-70-2	ug/L								--	50000	51000	48000	
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 2 U	1.2 J	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.29 J	0.67	1.5	
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	2.1	4	2 J+	
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	360	1300	< 17 U	
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.51	2.7	< 0.06 U	
Magnesium, Dissolved	7439-95-4	ug/L								--	6400	6500	5600	
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	13	32	2.9	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.2 U	< 0.08 U	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.6 J	1.5 J	1.7 J-	
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.4	1.8	1.2	
Potassium, Dissolved	7440-09-7	ug/L								--		2900	2900	
Potassium, Dissolved	9/7/7440	ug/L								--	2600			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 2 U	< 0.58 U	< 0.58 U	
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 1 U	< 0.1 U	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	25000	26000	30000	
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.2 U	< 0.1 U	< 0.1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2	3.4	1.5	
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	5.1 J-	6.7 J	< 2.8 U	
Metals, Total														
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	42000	43000	81000	
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 1 UJ	< 0.4 UJ	< 0.4 UJ	
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	7.2	9.9	15	
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	640	630	830	
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	2.3	2.5	4.4	
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.19	< 0.086 U	0.22	
Calcium, Total	7440-70-2	ug/L								--	74000	74000	84000	
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	22	22	40	
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	17	18	30	

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	36	50	70 B
Iron, Total	7439-89-6	ug/L	120000		120000					--	36000	40000	65000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	32	70	62
Magnesium, Total	7439-95-4	ug/L								--	16000	16000	21000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	810	860	1300
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.2 U	< 0.08 U	0.1 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.2 J	1.3 J-	1.4 J-
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	22	22	36
Potassium, Total	7440-09-7	ug/L								--		9700	14000
Potassium, Total	9/7/7440	ug/L								--	9500		
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.3 J	0.6 J	3.5 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.12 J	0.44 J	0.36 J
Sodium, Total	7440-23-5	ug/L								--	28000	29000	33000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	0.43	0.46	0.74
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	50	57	100
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	100 J-	150 J-	180
General													
Alkalinity	STL00171	mg/L								--	94	95	95
pH	STL00204	SU								--	8.1 HF	8.11 J	8.19 J
Total Dissolved Solids	STL00242	mg/L								--	290	320	330
Total Hardness	STL00009	mg/L								--	250	250	300
Total Suspended Solids	STL00161	mg/L								--	2600	1600	3300

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RCB		Aquatic Acute	Location	SJSR	SJSR	SJSR
										Sample ID	SJSR-081115-11	SJSR-081215-11	SJSR-081315-11
										Date	8/11/2015	8/12/2015	8/13/2015
										Sample Time	12:35	10:35	11:20
										Latitude	36.78162	36.78162	36.78162
Longitude	-108.69278	-108.69278	-108.69278										
Metals, Dissolved													
Aluminum, Dissolved	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	< 24 U	< 24 U	1300
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.94 J	0.6 J	0.99 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33000					--	73	72	79
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	52000	60000	59000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	< 1 U	< 1 U	1.1 J
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	1.9	2.5	0.48
Copper, Dissolved	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	1.7	2	4
Iron, Dissolved	7439-89-6	ug/L	120000		120000					--	< 17 U	< 17 U	850
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 U	< 0.06 U	0.64
Magnesium, Dissolved	7439-95-4	ug/L								--	6500	8200	6900
Manganese, Dissolved	7439-96-5	ug/L	200		7800	3710	2050	200		--	4	4.6	12
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.6 J	1.6	2.1
Nickel, Dissolved	7440-02-0	ug/L	90		3300	813	90	200	1000	--	1.2	1.4	2.1
Potassium, Dissolved	7440-09-7	ug/L								--	2800	3100	4200
Potassium, Dissolved	9/7/7440	ug/L								--			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.75 J	< 0.58 U	1.3 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	26000	30000	54000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.3	1.4	3.6
Zinc, Dissolved	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	5.3 J
Metals, Total													
Aluminum, Total	7429-90-5	ug/L	3348		170000	8358	3348	5000		--	3100	37000	110000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	2.6	8.6	21
Barium, Total	7440-39-3	ug/L	2000	2000	33000					--	240	330	920
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.3	2	5.9
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.16	0.16	0.45
Calcium, Total	7440-70-2	ug/L								--	68000	76000	120000
Chromium, Total	7440-47-3	ug/L	100	100	220000	972	126	100	1000	--	1 J	23	58
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	5.6	14	38

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	13	33	93
Iron, Total	7439-89-6	ug/L	120000		120000					--	1500	32000	95000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	9.9	31	77
Magnesium, Total	7439-95-4	ug/L								--	8200	18000	31000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	500	560	1600
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	0.087 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	0.63 J	1.6	2.6
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	4.2	19	54
Potassium, Total	7440-09-7	ug/L								--	3400	9000	20000
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.6 J	2.6	5.3 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	0.17 J	0.37 J
Sodium, Total	7440-23-5	ug/L								--	26000	31000	55000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.1 U	0.37	1.3
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	9.8	54	150
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	24	97	260
General													
Alkalinity	STL00171	mg/L								--	93	95	97
pH	STL00204	SU								--	8.2 J	8.11 J	8.14 J
Total Dissolved Solids	STL00242	mg/L								--	290	330	290
Total Hardness	STL00009	mg/L								--	200	260	420
Total Suspended Solids	STL00161	mg/L								--	1400	1300	4100

Bold - Bolded results identify a detected value.

Highlighted identifies detection that exceed the PCL (minimum of listed screening values)

* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 9
 Upper Animas River

Irrigation	Analyte	Livestock	CAS.NO	Units	PCL		Drinking Water MCL		RCB			Location	SJSR	SJSR	SJSR
												Sample ID	SJSR-081415-11	SJSR-081415-12	SJSR-081515-11
												Date	8/14/2015	8/14/2015	8/15/2015
												Sample Time	9:10	9:10	9:05
												Latitude	36.78162	36.78162	36.78162
												Longitude	-108.69278	-108.69278	-108.69278
Metals, Dissolved															
Aluminum, Dissolved		7429-90-5	ug/L	3348			170000	8358	3348	5000		--	2300 J	< 25 UJ	26 J
Antimony, Dissolved		7440-36-0	ug/L	6	6	67						--	< 0.5 U	< 0.5 U	< 0.5 U
Arsenic, Dissolved		7440-38-2	ug/L	10	10	50				100	200	--	1.5	0.92 J	0.83 J
Barium, Dissolved		7440-39-3	ug/L	2000	2000	33000						--	93 J	68 J	77
Beryllium, Dissolved		7440-41-7	ug/L	4	4	330	340	150	100	100		--	< 0.25 U	< 0.25 U	< 0.25 U
Cadmium, Dissolved		7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50		--	< 0.25 U	< 0.25 U	< 0.25 U
Calcium, Dissolved		7440-70-2	ug/L									--	48000	54000	58000
Chromium, Dissolved		7440-47-3	ug/L	100	100	220000	972	126	100	1000		--	1.6 J	< 0.5 U	< 0.5 U
Cobalt, Dissolved		7440-48-4	ug/L	50		50			50	1000		--	0.89 J	< 0.5 U	< 0.5 U
Copper, Dissolved		7440-50-8	ug/L	16	1300	6700	25	16	200	500		--	3.6	1.9 J	2.8
Iron, Dissolved		7439-89-6	ug/L	120000		120000						--	1000 J	< 10 UJ	16 J
Lead, Dissolved		7439-92-1	ug/L	5	15	200	130	5	5000	100		--	2 J	< 0.5 UJ	< 0.5 U
Magnesium, Dissolved		7439-95-4	ug/L									--	7300	7300	7700 J-
Manganese, Dissolved		7439-96-5	ug/L	200		7800	3710	2050	200			--	40 J	< 0.5 UJ	0.98 J
Mercury, Dissolved		7439-97-6	ug/L	0.77	2	50	104	0.77		10		--	< 0.1 U	< 0.1 U	< 0.1 U
Molybdenum, Dissolved		7439-98-7	ug/L	830		830						--	1.5 J	1.6 J	1.6 J
Nickel, Dissolved		7440-02-0	ug/L	90		3300	813	90	200	1000		--	1.8 J	0.75 J	0.71 J
Potassium, Dissolved		7440-09-7	ug/L									--	2900	2400	2300
Potassium, Dissolved		9/7/7440	ug/L									--			
Selenium, Dissolved		7782-49-2	ug/L	5	50	830	20	5	130	250		--	0.59 J	0.54 J	< 0.5 U
Silver, Dissolved		7440-22-4	ug/L	9.9			9.9					--	< 0.5 U	< 0.5 U	< 0.5 U
Sodium, Dissolved		7440-23-5	ug/L									--	25000	26000	23000 J-
Thallium, Dissolved		7440-28-0	ug/L	1.7	2	1.7						--	< 0.5 U	< 0.5 U	< 0.5 U
Vanadium, Dissolved		7440-62-2	ug/L	100		830			100	100		--	5.5	1.3 J	1.2 J
Zinc, Dissolved		7440-66-6	ug/L	219		50000	290	219	2000	25000		--	7.5 J	< 2.5 U	< 2.5 U
Metals, Total															
Aluminum, Total		7429-90-5	ug/L	3348		170000	8358	3348	5000			--	29000	28000	27000
Antimony, Total		7440-36-0	ug/L	6	6	67						--	< 0.5 U	< 0.5 U	< 0.5 U
Arsenic, Total		7440-38-2	ug/L	10	10	50			100	200		--	6.2	6	6.2
Barium, Total		7440-39-3	ug/L	2000	2000	33000						--	320	310	280
Beryllium, Total		7440-41-7	ug/L	4	4	330	340	150	100	100		--	1.2	1.1	0.93
Cadmium, Total		7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50		--	< 0.25 U	< 0.25 U	0.26 J
Calcium, Total		7440-70-2	ug/L									--	79000	79000	88000
Chromium, Total		7440-47-3	ug/L	100	100	220000	972	126	100	1000		--	9.8	9.5	9.4
Cobalt, Total		7440-48-4	ug/L	50		50			50	1000		--	8.2	8.1	6.7

Table 1
Surfacewater Analytical Data - Region 9
Upper Animas River

Copper, Total	7440-50-8	ug/L	16	1300	6700	25	16	200	500	--	23	23	18
Iron, Total	7439-89-6	ug/L	120000		120000					--	24000	25000	19000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	23	22	19
Magnesium, Total	7439-95-4	ug/L								--	15000	16000	16000
Manganese, Total	7439-96-5	ug/L	200		7800	3710	2050	200		--	420	420	330
Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.1 U	0.1 J	< 0.1 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.4 J	1.3 J	2
Nickel, Total	7440-02-0	ug/L	90		3300	813	90	200	1000	--	12	12	13
Potassium, Total	7440-09-7	ug/L								--	7300 J+	7400 J+	8200
Potassium, Total	9/7/7440	ug/L								--			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.1 J	1 J	1.2 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.5 U	< 0.5 U	< 0.5 U
Sodium, Total	7440-23-5	ug/L								--	32000	32000	28000
Thallium, Total	7440-28-0	ug/L	1.7	2	1.7					--	< 0.5 U	< 0.5 U	< 0.5 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	30	29	24
Zinc, Total	7440-66-6	ug/L	219		50000	290	219	2000	25000	--	84	78	72
General													
Alkalinity	STL00171	mg/L								--	100	100	100
pH	STL00204	SU								--	8.18 J	8.22 J	8.22 J
Total Dissolved Solids	STL00242	mg/L								--	330	340	330
Total Hardness	STL00009	mg/L								--	260	260	290
Total Suspended Solids	STL00161	mg/L								--	1200	1200	1100

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* - exceeds MCL

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MDL - Method Detection Limit

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg